

EXPIRES MARCH 2013

# QUARTERLY SPECIAL

# W I N T E R



Servicing Maintenance & Repair Operations  
For Industry, Transportation & Government  
For More Than 50 Years

## HAND / POWER TOOLS

### DEWALT 7 1/4" CIRCULAR SAW

- Powerful 15 amp motor, 2 9/16" depth of cut
- 57° beveling capacity with 22.5° and 45° stops
- On-board blade wrench storage
- Anti-snag ball bearing lower guard
- Integrated dust blower function cleans the line of sight during cutting
- 5200 rpm, weight: 8.8 lbs.



**NEW!**

Part No.	Description
12289	7 1/4" Circular Saw

### 10 AMP COMPACT RECIPROCATING SAW

- Only 14.5" in length for easy access to tight areas and more flexibility
- 0-2, 800 SPM and a 1-1 1/8" stroke length for fast and efficient cutting
- Keyless lever-action blade clamp with four positions for additional versatility
- Variable speed trigger allows user to instantly control speed



**NEW!**

Part No.	Description
12219	Reciprocating Saw

## RECIPROCATING SAWS

### 12.0 AMP RECIPROCATING SAW KIT

- 12 Amp motor delivers increased power for heavy-duty applications
- 0-2,700 SPM and 1-1/8" stroke length for fast and efficient cutting
- Keyless stainless steel blade clamp for quick and easy blade changes and increased reliability
- Keyless adjustable shoe easily adjusts depth of cut and extends blade life
- Variable speed trigger allows user to instantly control speed



Part No.	Description
12223	Reciprocating Saw

## AIR TOOLS

### AIR DRILL

- 3/8" Jacobs chuck
- Easy reach reverse selector
- Bottom Handle Exhaust
- Tool Air Inlet Size: 1/4"
- RPM: 1800
- Avg. air consumption 8.0 cfm



Part No.	Description
12237	3/8" Drive Rev Air Drill

### 5" ANGLE GRINDER

- Uses type 27 wheels/discs
- 5/8-11 adapter included, 3/8-24 spindle
- Rugged, lightweight alloy housing
- Removable handle, safety lever
- Tool Air Inlet Size: 1/4"
- Tool Min. Hose Size 3/8"
- Horsepower: 0.6, 11,000 rpm
- Right front exhaust
- Decibel rating: 91 db
- Avg. air consumption 18.0 cfm



Part No.	Description
12298	5" Angle Grinder

### 3/4" DRIVE - PROFESSIONAL

- Single hammer design
- Built-in Regulator
- Tool air inlet: 3/8"
- Torque Maximum: 600 ft. lb.
- Working Torque Range 145-550 ft. lb.
- Decibel rating: 90 db
- Avg. air consumption: 28.0 cfm



Part No.	Description
12248	3/4" Square Drive Impact Wrench





## SOCKET SET

### 24 PIECE, 1/2" DRIVE SOCKET SET

WITH METAL CASE



- Patented Wright Drive® 12-Pt. Design that distributes contact stress evenly over a larger contact area and away from fastener corners
- Designed for heavy use and long-term service
- High strength and smooth ratcheting action works better in tight places
- Made in the USA

Part No.	Description
95101	24 Piece 1/2" Drive Socket Set with Metal Case

Contents:

12 Pt. Standard Sockets	12 Pt. Deep Sockets
7/16	1/2
1/2	9/16
9/16	#
5/8	11/16
11/16	3/4
3/4	13/16
13/16	7/8
7/8	15/16
15/16	
1"	
1 1/16	
1 1/8	
1 3/16	
1 1/4	



Attachments:  
Ratchet, 10" Extension, Flex Handle, Metal Box

## GEARED WRENCHES

### RATCHETING - REVERSIBLE CROSS-FORCE COMBINATION WRENCH SETS

- Ergonomically designed for increased torque delivery
- 15° offset handle allows greater access in tight spaces
- Unique beam design
- Allows you to apply force to the flat reducing hand fatigue

Up to 525% increase in surface contact area, applying force to flat surface reduces hand fatigue



#### 7 PIECE SETS

Part No.	Contents
11406	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
11407	10, 12, 13, 14, 15, 17, 18mm



### S-SHAPE / REVERSIBLE

- S-shape reaches around obstacles
- Reversible lever, 5° engagement increases productivity
- Precise grip pattern eliminates slipping, reduces fastener rounding



Part No.	Contents
11430	4 Pc.: 3/8 x 7/16, 1/2 x 9/16, 5/8 x 11/16, 3/4 x 7/8
11431	5 Pc.: M10 x 12, M11 x 13, M14 x 16, M15 x 17, M19 x 22

## PLIERS

### HIGH PERFORMANCE PLIERS ERGONOMIC DESIGN

#### COBRA PLIERS®



- Push button single hand fine adjustment directly on the workpiece, positive lock into selected jaw opening
- Self-gripping, won't let go of the workpiece until you ease the pressure
- Hardened jaws (approx. 60 HRC) grip nuts, rod, bolts and pipes - eliminates burring
- Guard prevents fingers being pinched

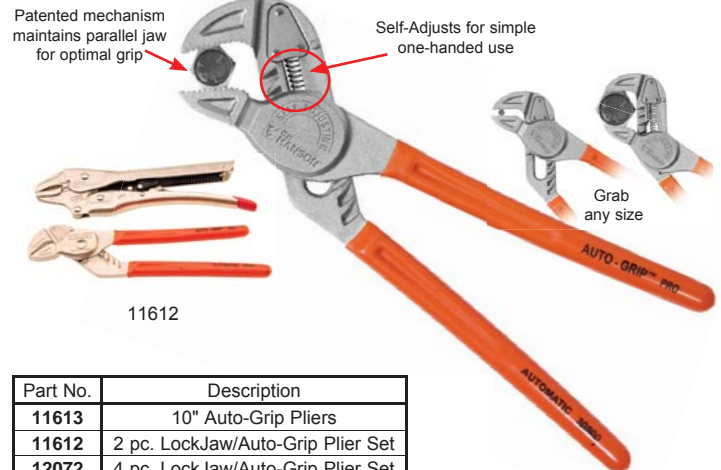


Part No.	Description
11602	10" Cobra® Pliers
11603	12" Cobra® Pliers
11604	3 Piece Set 7", 10", 12"

#### AUTO-GRIP PLIERS



- Jaws automatically adjust to parallel, simply close the handles
- Fully automatic for true one-handed use
- No more manual adjustment, no more buttons to push
- Rugged steel construction
- Ergonomic grips for comfort
- Meets or exceeds all ANSI and ASME standards



Part No.	Description
11613	10" Auto-Grip Pliers
11612	2 pc. LockJaw/Auto-Grip Plier Set
12072	4 pc. LockJaw/Auto-Grip Plier Set

#### LEATHERMAN® WAVE™



Wave™ makes an evolutionary leap in the multi-tool category by offering one-hand access to two locking blades (one straight-edge, one serrated) plus two additional locking tools, seven more interior tool blades and the best handle comfort available.

- 25 year warranty
- 15 handy tools
- Stainless Steel construction
- Weighs just 8 ounces

#### FEATURES

Needlenose Pliers	Medium Screwdriver
Wire Cutters Clip-Point	Large Screwdriver
Knife Serrated Knife	Phillips Screwdriver
Diamond-Coated File	Can/Bottle Opener
Wood Saw	Wire Stripper
Scissors	Lanyard Attachment
Extra-Small Screwdriver	
Small Screwdriver	



Part No.	Description
12081	Leatherman® Wave™

## JIG SAW BLADES

### DOUBLE SIDED JIG SAW BLADE

- Made of a durable, hardened steel
- Double-sided blade enables blade to pivot and make incredibly small radius cuts
- For unmatched precision, speed and cleanliness
- Sold in packs of two

Part No.	Description
51554	Pkg of 2 - 4" blades



### JIGSAW BLADES - 5/PKG.

- Universal 1/4" shank fits most tools
- Bi-metal construction with hardened electron welded teeth for superior performance and long life



Part No.	Teeth Per Inch	Size
51590	14	3 1/8 x 5/16"
51591	18	3 1/8 x 5/16"
51592	24	3 1/8 x 5/16"
51593	10	3 1/2 x 5/16"
51594	6	4" x 3/8"
51595	10	4" x 3/8"
86206	Handy Pak	



86206



### "T" STYLE (BOSCH)

Part No.	Teeth	Size
51540	12	3" x 5/16"
51541	18	3" x 5/16"
51542	24	3" x 5/16"
51544	6	4" x 5/16"
51545	10	4" x 5/16"
86230	Handy Pak	



86230



### CARBIDE GRIT

- Carbide grit provides enhanced cutting capability and blade life in hard abrasive materials like ceramic tile, fiberglass and slate
- The narrow width allows for both straight and contour cutting

Part No.	Grit	Size
51556	Coarse	3 5/8 x 5/16"

### 18V CORDLESS JIG SAW - T-SHANK (BOSCH)

- Keyless lever-action blade clamp for quick and easy blade changes
- All-metal keyless shoe bevel with detents at 0°, 15°, 30° and 45° provides versatility for easy bevel cutting
- 4-position orbital action provides control of cut quality and speed
- Adjustable dust blower keeps line of cut clear of chips
- Variable speed 0-3,000 spm for versatility in a multitude of materials and applications
- Comes with one NiCad rechargeable battery (Part No. 12765) and a One-Hour Charger (Part No. 12766)



Part No.	Description
12768	Cordless Jig Saw

## HOLE SAWS

### CARBIDE TIPPED HOLE SAWS

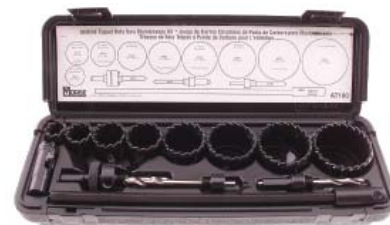
MORSE

- Tungsten carbide tips offer the highest wear resistance and longer life on abrasive materials such as fiberglass, particle board, formica, composites, aluminum, plastic, nail-free wood and hardwoods
- Superior resistance to heat
- Hole saws have three teeth per inch, 1 1/2" cutting depths, 1/4" and 1/2" shank arbors

Part No.	Size
51729	9pc. Set (3/4-2 1/2)

#### INDIVIDUAL

Part No.	Size
51720	3/4
51721	7/8
51722	1 1/8
51723	1 3/8
51724	1 1/2
51725	1 3/4
51726	2"
51727	2 1/4
51728	2 1/2



### TUNGSTEN CARBIDE GRIT HOLE SAWS

- These long lasting hole saws have tungsten carbide grains bonded to alloy backs with a gulleted, snag resistant edge
- Ideal for cutting ceramics, fiberglass, cast iron, brick, cinder block, hardened steel and other composites
- Extremely resistant to heat, wear and abrasion with shock resistant back
- 1 1/2" cutting depth eliminates the need for deep hole saws

Part No.	Size
51735	9 Pc. Set

#### INDIVIDUAL

Part No.	Size	Part No.	Size
51607	3/4	51645	2"
51611	7/8	51649	2 1/8
51615	1"	51651	2 1/4
51623	1 1/4	51657	2 1/2
51627	1 3/8	51663	2 3/4
51631	1 1/2	51667	3"
51635	1 5/8	51683	4"
51639	1 3/4		



### BI-METAL HOLESAWS

MORSE

- Hole saws are heavy duty shatterproof with a high speed welded edge
- Kit contains nine hole saws from 3/4" to 2 1/2" diameter, two arbors, one arbor adaptor and high density polyethylene case
- For use with sheet metal, nail-embedded wood, drywall, fiberboard, plastic and composites
- Hole saws have six teeth per inch with a cutting depth of 1 1/8" and designed to fit 1/4" and 1/2" chucks



Part No.	Description
51730	9 Pc. Set (3/4, 7/8, 1 1/8, 1 3/8, 1 1/2, 1 3/4, 2, 2 1/2) w/Arbors (3) and 12" Extension.
51732	6 pc. Set (3/4, 7/8, 1 1/8, 1 1/2, 1 3/4, 2 1/4) w/Arbors (2)



## DRILLS

### MASTER DRILL SET W/DISPENSER (91159) 1/16"-1/2", #1-60, A-Z



Part No.	Description	Pieces
87777	Cobalt jobber length drills	115
87778	Cobalt jobber length drills	309
87773	Tifalloy (1/16-1/2) TIFCO (1-60, A-Z)	115
87774	Tifalloy (1/16-1/2) TIFCO (1-60, A-Z)	309
87775	TIFCO jobber length drills	115
87776	TIFCO jobber length drills	309
87779	TifMAXX drills w/flats** jobber length (1/16-1/2) TIFCO (1-60, A-Z)	115
87772	Tif-Maxx (1/16-1/2) TIFCO (1-60, A-Z)	309

### WATERPROOF INDEX

- Dent-resistant molded case, neoprene seal keeps corrosion out
- Built-in belt clip, sizes marked on top

29 Pc. 1/16" to 1/2" by 64ths	
Part No.	Description (Index-91171J, 91172M)
52638	TifMAXX drills w/flats* jobber length
52639	Tifalloy drills jobber length
52640	TIFCO drills w/flats* jobber length
52642	TIFCO drills w/flats* mechanics length
52637	Tifalloy II coated drills jobber length



### DIAMBIT GLASS AND TILE BIT

- Patented product with a welded diamond tip for drilling into a broad range of tile and glass
- Drills all tiles up to and including Class 4 floor tiles
- Cuts faster, cleaner and lasts longer
- Simply pour a small amount of water on the surface, place the bit at an angle, start drill and raise drill to a 90° angle
- Use on: porcelain, quarry, terracotta, glazed, terrazzo, agglomerate, cement and glass

#### INDIVIDUAL SIZES

Part No.	Size
52074	3/16
52075	1/4
52076	5/16
52077	3/8
52078	1/2



Part No.	Description
52073	5 Pc. Set 3/16-1/2



### SPOT WELD

#### COBALT

- A unique high performance cutting tool designed to effectively remove auto body panel spot welds
- Made of cobalt steel for longer wearing cutting edges
- Hardness of cobalt steel permits speeds 30% greater than H.S.S. Drills
- Special spur point cuts through one panel, while leaving second panel free of holes

Part No.	Diameter	Overall Length	Description
52350	1/4" (M6)	1.75"	Single End
52351	5/16" (M8)	1.75"	Single End
52352	3/8" (M10)	1.75"	Single End
52355	1/4" (M6)	3.62"	Double End
52356	5/16" (M8)	3.62"	Double End
52357	3/8" (M10)	3.62"	Double End



Part No.	Description
52360	6 Pc. Set w/Index



#### CARBIDE

- Designed to cut spot welds from boron steel
- Use in high temperature operations and for difficult to machine materials
- AlTiN coating improves lubricity, eliminating lubrication requirements
- M8 diameter (5/16")



Part No.	Diameter	Overall Length	Description
52349	5/16" (M8)	1.75"	Single End



# WINTER QUARTERLY SPECIALS

## MOUNTED POINTS

### MOUNTED POINTS - 1/4" SHANK ALUMINUM OXIDE - VITRIFIED

NORTON

Mounted points are used in high speed air and electric grinders for grinding dies, casting, weld seams or other general metal removal applications. Manufactured with aluminum oxide grain and vitrified bond.

#### CHARGER - HIGH PERFORMANCE RESINBOND

- Features zirconia alumina self-sharpening grain for longer life
- Faster stock removal
- Used in air and electric grinders



ALUMINUM OXIDE MOUNTED POINT ASSORTMENT

85930

8627 3/4" DIA. x 2 1/2" THICK A1-TREE	8628 1" DIA. x 2 3/4" THICK A3-TREE	8630 3/4" DIA. x 1 1/8" THICK A5-TREE	8629 7/8" DIA. x 2" THICK A11-TREE	8631 1 1/16" DIA. x 1 1/4" THICK A12-TREE
8632 1 1/16" DIA. x 7/8" THICK A14-TAPER	8633 3/4" DIA. x 5/8" THICK A22-CYLINDRICAL	8634 1 3/8" DIA. x 1" THICK A32-INVERTED	8635 1 1/4" DIA. x 1 1/4" THICK A37-TAPER	8636 3/4" DIA. x 3/4" THICK A39-CYLINDER
8637 3/4" DIA. x 3/4" THICK A40-BALL	8638 1/4" DIA. x 3/4" THICK W164-CYLINDER	8625 1/2" DIA. x 2" THICK W189-CYLINDER	8639 3/4" DIA. x 1 1/4" THICK W206-CYLINDER	8626 3/4" DIA. x 2" THICK W208-CYLINDER
8640 1" DIA. x 3/8" THICK W217-CYLINDER	8642 1" DIA. x 1" THICK W220-CYLINDER	8643 1" DIA. x 1 1/2" THICK W221-CYLINDER	8644 1" DIA. x 2" THICK W222-CYLINDER	

45 Pcs.



#### AVAILABLE ASSORTMENT

87129 - Pg.A-143 - Alum. Oxide Mounted Points w/Tool  
87133 - Pg.A-144 - Resinbond Mounted Points w/Tool

## SPIRAL BANDS

### SPIRAL BANDS - 10/BOX

NORTON

#### ZIRCONIUM - 1/4" SHANK

- Zirconium abrasive grain outperforms conventional grains, fracturing to provide reshaped abrasive
- Lasts many times longer than aluminum oxide
- Spiral bands fit tightly onto rubber expanding drum, 1/4" shank size
- Commonly used on portable tools, versatile, easy to use, no tools required to change bands
- Ideal for sanding, finishing, light grinding, blending, polishing and deburring
- For use on most metal and wood surfaces, flat, contoured and hard to reach spots

Size	36 Grit	60 Grit	80 Grit	120 Grit	Drum
1/2 x 1/2	8601	8602	8603	8604	8605
3/4 x 3/4	8606	8607	8608	8609	8610
1 x 1	8611	8612	8613	8614	8615
1 1/2 x 1 1/2	8616	8617	8618	8619	8620



1/4" Shank w/Drum



Zirconium Band



ABRASACAPS ASSORTMENT

85920

8645 7/16 x 1" EXPANDING RUBBER HEAD	8655 60 GRIT ABRASACAP	8656 150 GRIT ABRASACAP	8649 5/8 x 1" EXPANDING RUBBER HEAD	8663 60 GRIT ABRASACAP	8664 150 GRIT ABRASACAP
8646 5/8 x 1 1/4 EXPANDING RUBBER HEAD	8657 60 GRIT ABRASACAP	8658 150 GRIT ABRASACAP	8650 1/2 x 1 1/16 EXPANDING RUBBER HEAD	8665 60 GRIT ABRASACAP	8666 150 GRIT ABRASACAP
8647 27/32 x 1 9/16 EXPANDING RUBBER HEAD	8659 60 GRIT ABRASACAP	8660 150 GRIT ABRASACAP	8651 5/8 x 1" EXPANDING RUBBER HEAD	8667 60 GRIT ABRASACAP	8668 150 GRIT ABRASACAP
8648 1/2 x 1 1/16 EXPANDING RUBBER HEAD	8661 60 GRIT ABRASACAP	8662 150 GRIT ABRASACAP	8652 5/8 x 1" EXPANDING RUBBER HEAD	8669 60 GRIT ABRASACAP	8670 150 GRIT ABRASACAP

80 Pcs.

ZIRCONIUM SPIRAL BAND ASSORTMENT

85804

8601 36 GRIT 1/2 x 1/2 SPIRAL BAND	8602 60 GRIT 1/2 x 1/2 SPIRAL BAND	8603 80 GRIT 1/2 x 1/2 SPIRAL BAND	8604 120 GRIT 1/2 x 1/2 SPIRAL BAND	8605 1/2 x 1/2 EXPANDING DRUM
8606 36 GRIT 3/4 x 3/4 SPIRAL BAND	8607 60 GRIT 3/4 x 3/4 SPIRAL BAND	8608 80 GRIT 3/4 x 3/4 SPIRAL BAND	8609 120 GRIT 3/4 x 3/4 SPIRAL BAND	8610 3/4 x 3/4 EXPANDING DRUM
8611 36 GRIT 1" x 1" SPIRAL BAND	8612 60 GRIT 1" x 1" SPIRAL BAND	8613 80 GRIT 1" x 1" SPIRAL BAND	8614 120 GRIT 1" x 1" SPIRAL BAND	8615 1" x 1" EXPANDING DRUM
8616 36 GRIT 1 1/2 x 1 1/2 SPIRAL BAND	8617 60 GRIT 1 1/2 x 1 1/2 SPIRAL BAND	8618 80 GRIT 1 1/2 x 1 1/2 SPIRAL BAND	8619 120 GRIT 1 1/2 x 1 1/2 SPIRAL BAND	8620 1 1/2 x 1 1/2 EXPANDING DRUM

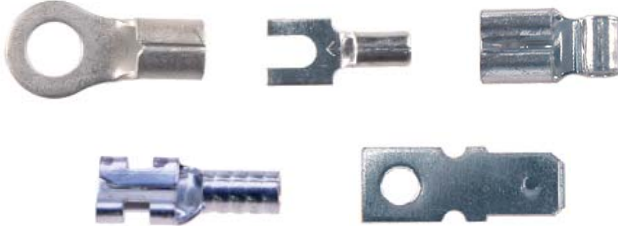
116 Pcs.



## NON-INSULATED TERMINALS

### NON-INSULATED

- Use when no special characteristics or installation requirements are necessary
- Made of tin-plated copper
- Excellent for use with heat shrink tubing
- Rated to 600 volts and meets or exceeds all UL standards



22-18 GA. NON-INSULATED SOLDERLESS TERMINAL ASSORTMENT

85415

42102 *	42231 *	42108 *	42114 *
#4-#6 STUD RING TONGUE	#6-#8 STUD RING TONGUE	#8-#10 STUD RING TONGUE	1/4" STUD RING TONGUE
42333 *	42106 *	42340 *	42115 *
3/8" STUD RING TONGUE	#4-#6 STUD SPADE TONGUE	#4-#6 STUD LOCKING TONGUE	BUTT CONNECTOR
27988 *	42254 *	42329 *	42247 *
1/4" TAB FEMALE QUICK DISC.	1/4" TAB FLAG QUICK DISC.	(2) 1/4" MALE TAB x 1/4" FEMALE ADAPTER	#6 STUD x 1/4" TAB MALE QUICK DISC.
42248 *	42327 *	43850 *	43851 *
#10 STUD x 1/4" TAB MALE QUICK DISC.	(2) 1/4" MALE TAB x 1/4" FEMALE ADAPTER	3/4" RED HEAT SHRINK TUBING	1 1/2" RED HEAT SHRINK TUBING

710 Pcs.

16-14 GA. NON-INSULATED SOLDERLESS TERMINAL ASSORTMENT

85425

42118 *	42120 *	42280 *	42124 *	42128 *
#4-#6 STUD RING TONGUE	#6 STUD RING TONGUE	#8 STUD RING TONGUE	#10 STUD RING TONGUE	1/4" STUD RING TONGUE
42261 *	42262 *	42130 *	42132 *	42264 *
5/16" STUD RING TONGUE	3/8" STUD RING TONGUE	#4-#6 STUD SPADE TONGUE	#6-#10 STUD SPADE TONGUE	#4-#6 STUD LOCKING SPADE
42218 *	42219 *	42253 *	42257 *	42259 *
.250" TAB MALE QUICK DISCONNECT	.250" TAB FEMALE QUICK DISCONNECT	.187" TAB FEMALE QUICK DISCONNECT	.250" TAB MALE FLAG QUICK DISCONNECT	.250" TAB MULTISTACK QUICK DISCONNECT
42206 *	42255 *	42134 *	43853 *	43855 *
.187" TAB FEMALE FLAG QUICK DISCONNECT	.250" TAB FEMALE FLAG QUICK DISCONNECT	BUTT CONNECTOR	3/4" BLUE HEAT SHRINK TUBING	1 1/2" BLUE HEAT SHRINK TUBING

800 Pcs.

12-10 GA. NON-INSULATED SOLDERLESS TERMINAL ASSORTMENT

85435

42252 *	42144 *	42152 *	42253 *
#8 STUD RING TONGUE	#8-#10 STUD RING TONGUE	1/4" STUD RING TONGUE	5/16" STUD RING TONGUE
42264 *	42155 *	27920 *	42265 *
5/16" STUD RING TONGUE	3/8" STUD RING TONGUE	3/8" STUD COPPER RING	7/16" STUD RING TONGUE
42288 *	27918 *	42146 *	42259 *
1/2" STUD RING TONGUE	3/8" STUD LOCKING RING	#8-#10 STUD SPADE TONGUE	#8-#10 STUD SPADE TONGUE
27934 *	42150 *	43854 *	43855 *
FEMALE QUICK DISCONNECT	BUTT CONNECTOR	7/8" YELLOW HEAT SHRINK TUBING	1 3/4" YELLOW HEAT SHRINK TUBING

350 Pcs.

## SPECIALTY TERMINALS

### PUSH-LOCK WALL NUT™ CONNECTORS

- Fast, easy installation - strip wire and push into connector
- Connects stranded (16-12 AWG) or solid (18-12 AWG) wire
- Clear housing for visual inspection of reliable connection
- Insert stripped wire, no crimping twisting or taping required
- UL listed / CSA certified for 600V (1000V for fixtures and signs), superior to conventional wire nuts
- Eliminates loose connections, touch proof, rated to 220°F (105°C), built-in test port allows continuity testing without disassembly
- No twist connectors for use in electrical junction boxes, or to replace standard connectors
- 16-12 stranded, 18-12 solid copper wire \*(except 42179 accepts 18 AWG stranded in special opening)
- Exceptional pull-out resistance
- Twist wire while pulling it to disconnect



Part No.	Description	Box Qty.
42175	2 Cond - Yellow	25
42176	4 Cond - Orange	25
42177	6 Cond - Black	25
42178	8 Cond - Gray	25
42179	4 Cond - White	25

### SURE-LOK CLAMPING WIRE CONNECTOR

- The strongest gripping wire connector on the market
- 3 Conductor with levers, replaces conventional connector
- 28-12 AWG solid or stranded, 600V-20A Maximum
- Compact, touch safe, easy to install, Insert stripped wire and push down lever
- Maintenance-free connection, spring clamp design provides exceptional resistance to pull-out

Common Uses:

Light Fixtures  
Small Motors  
Telephone Cable  
Motion Sensors  
Intercom Wiring

Machine Connections  
Speaker Wiring  
Heating Installations  
Alarm Systems



Part No.	Description	Box Qty.
42199	Sure-Lok Wire Connector	25

### SPLICE TECH™

#### PUSH-IN BUTT CONNECTION

- Simply strip, push both ends into the butt connector and the job is complete and secure
- Fast Installation Time: Fewer tools means fewer steps. When only a wire stripper is needed, installation time becomes two times faster than normal strip and crimp methods
- Crimp Free Technology: Solderless splice bites into the wire
- Accepts 12-16 gauge wire (Stranded or Solid) and replaces 3 sizes of crimp style butt connectors
- UL Approved
- Made In USA



Part No.	Description	Box Qty.
42173	SpliceTech™	25

## AEROSOLS

### PREMIUM HIGH SOLIDS SPRAY COATINGS

- More coverage per ounce for lower application costs than conventional spray paints
- 80% higher solids-content versus conventional spray paints to cover faster and more effectively
- Resists fading even after months of exposure and heat resistant to 250°F
- Provides a smooth, high gloss finish that resists abrasion and corrosion yet remains flexible
- Superior one-coat coverage saves time and money - no more wasting time waiting for paint to dry between coats
- Environmentally formulated and VOC compliant
- 20 Fl. oz., 16 oz. net wt.

12 Pack	Case of 6	Color
8134	9981	Power Tan
8118	9995	Ford Blue
8133	9979	Hitachi Orange
8131	9978	JLG Orange
8116	9999	Sunbelt Green

NEW COLORS!



### ZINC GALVANIZE COATING

KOLD-GALV (16oz. Aerosol Cans) is a high quality, high solids, heavy duty zinc coating designed to provide corrosion protection on iron and steel surfaces. Prevents rust by galvanic action. Dries to a flexible 93% zinc dust coating that blends without chipping. Can be used as a protective final coating or primer wherever iron or steel are exposed to atmospheric or corrosive conditions.

- Coating stops rusting by galvanic or electrochemical action instantly and gives a lasting protection against further rusting
- Equal in protective qualities to hot dipped galvanizing
- Will not blister, peel, lift or spread rust, even when surface is scratched
- Spray directly on rust - dries quickly
- To clean nozzle after using, simply invert can and spray

Part No.	Description
9468	Case (24 Cans)
9600	1/2 Case (12 Cans)
9942	1/4 Case (6 Cans)



### TIFCO MAXX KOTE® PRIMERS PROFESSIONAL HIGH SOLIDS PRIMERS

- Seals, primes and prevents corrosion in one spray
- High volume nozzle makes painting large surfaces a breeze
- High build, self leveling formula evens out rough surfaces for smooth painting
- Low odor - easier and healthier to work with

Case Qty	Color
12 6	
8103 9963	Light Gray
8102 9962	Red Iron Oxide
7780 7781	Self-Etching Gray
8153 9985	Sandable Gray

NEW!



### MAXX KOTE® GRAVEL GUARD

- Fast drying
- Match OEM finish
- High chip resistance
- Paintable in 30-45 minutes
- 20 fl. oz., 16.25 oz. net wt.

NEW!

MAXX KOTE



Part No.	Description
7782	Case of 12 Aerosol Cans
7783	1/2 Case of 6 Aerosol Cans

### STAINLESS STEEL-IN-A-CAN 100% STAINLESS STEEL METAL PIGMENT SPRAY

- 100% type 316L stainless steel metal pigment
- Rustproofs, seals out moisture, lead free
- High temperature stable, lasts for years
- Salt spray resistance, flexibility, wearability
- Requires no additional paint or sealer
- 16 fl. oz., 13 oz. net wt.

Part No.	Description
8139	Case of 12 Aerosol Cans
9948	1/2 Case of 6 Aerosol Cans



### TIFCO TRACTION™ SLIP RESISTANT TEXTURED EPOXY COATING

TIFCO TRACTION is a slip resistant clear epoxy coating that cures to a hard, flat, textured finish. This product is the most cost effective way to treat small areas. TRACTION is designed for interior and exterior use on concrete, steel, wood, fiberglass, aluminum, tile, etc. Particularly effective anywhere water or other slippery conditions exist. It applies easily and cures quickly. It contains a synthetic grit with no sharp edges.

- Dries to the touch in 1 hour
- Adheres to concrete, wood, steel, fiberglass, aluminum and tile
- For interior and exterior use on steps, ramps, load docks, or anywhere water or other slippery conditions exist
- Excellent for use on ladders, walkways, carts, forklifts, boats and trucks
- 16 fl. oz., 12 oz. net. wt.

Part No.	Description
7602	Case of 12 Aerosol Cans
9902	1/2 Case of 6 Aerosol Cans



### DEFENSE METAL PARTS PROTECTOR

- Provides hard, flexible coating for long lasting outdoor protection
- Paintable, weldable, remove with kerosene or mineral spirits
- Sets up in 2 hours (room temperature)
- 16 fl. oz., 12.5 oz. net wt.

Part No.	Description
7617	Case of 12 Aerosol Cans
9909	1/2 Case of 6 Aerosol Cans







## ANTI-SEIZE/CLEANERS

### MICROKOTE™

#### ANTI-SEIZE GREASE

- Formulated with copper, molybdenum and graphite to protect against galling, seizure and breakdown
- Prevents metal-to-metal contact under severe operating conditions for easier breakouts and connections to treated parts
- High solids formula fills imperfections
- Protects against corrosion, heat, high pressure, welding, hardening and setting
- Used for boom guides, chain drives, gaskets, pump mounts, flanges, shafts, fittings, bolts, tool joints, press fit assemblies

Color.....Copper  
NLGI Grade.....2  
Timken EP Test.....65 lb. Minimum  
Dropping Point.....575°F

Part No.	Description
9615	Case of 50 (14 oz Cartridges)
9616	Case of 10 (14 oz Cartridges)

**NEW!**



### MICROKOTE™ ULTRA (NON-METALLIC) FOR ANY MATERIAL - FOOD GRADE

- Outperforms other anti-seize in high nickel alloy applications
- For use on all fastener alloys, coatings, and applications
- Long term corrosion protection
- Has controlled friction characteristics
- NSF-61 - approved for non-contact use in the food industry
- Lead and zinc free, biodegradable
- Service rating: -65°F (-54°C) to 2400°F (1427°C)
- Color: White

**NEW!**



Part No.	Pkg. Qty.	Description
9587	Case of 12	8 oz. Brush Top Can
9588	Box of 6	
9589	Individual	

### MICROKOTE™ COPPER FOR STEEL & STAINLESS FASTENERS

- High Copper Content** - Premium copper formula eliminates metal-to-metal contact and provides incredible protection
- Wide Temperature Range** -65°F to 1800°F
- NSF Registered H2** - Approved for non-contact use in the food industry
- DOT Approved CA2004080025** - Not classified as a marine pollutant
- Does Not Contain Lead Or Zinc**



Part No.		Description
16 oz. Brush Top Can	8 oz. Brush Top Can	
9595	9550	Case of 12
9599	9544	Box of 6
9594	9555	Individual

1

FLAMMABILITY

### GLASS CLEANER

- New generation glass cleaner cuts through tough tough films and residues and dries to a streak free shine without ammonia, butyl or other harsh chemicals
- Complies with EPA DfE program
- Ultra concentrated formula can be diluted up to 64:1 or used straight for the ultimate degreaser
- Safe 100% biodegradable formula

**Trigger Sprayer Sold Separately**

Part No.	Description
8292	Case of 12 Quarts
8293	1/2 Case of 6 Quarts
9700	Standard Trigger Sprayer Head



### TIFCO SPRAY-N-KLEAN READY TO USE DEGREASER

- Water-based, multi-purpose cleaner
- Ideal spray-and-wipe product for removing grease, grime and other soils
- Non-abrasive, no phosphates and requires no rinsing
- Cleans metal, sealed wood, ceramic, brick, vinyl, porcelain, fiberglass, painted surfaces, laminates, rubber and most plastics
- High performance spray head (#9699)

Part No.	Description
9738	Case of 12 Quarts w/ 1 Sprayer Head
9737	Case of 4 Quarts w/ 4 Sprayer Heads



### TIFCO NATURAL POWER® FOAMING CITRUS CLEANER

TIFCO NATURAL POWER® is formulated with natural citrus solvents that break down grease and grime. High foaming formula clings to vertical surfaces. Can be used on glass and hard surfaces with a near streak-free finish

- All organic, biodegradable, non-flammable
- No hazardous solvents, low toxicity
- Advanced high foam action
- Pleasant orange scent
- 20 fl. oz., 19 oz. net wt.

Part No.	Description
9486	Case of 24 Aerosol Cans
8173	1/2 Case of 12 Aerosol Cans
9920	1/4 Case of 6 Aerosol Cans



## COLD WEATHER GLOVES

### PIGSKIN INSULATED

- Premium grain pigskin palm
- 3M Thinsulate® lining
- Comfortable, more durable keystore thumb
- Large insulated safety cuff



Part No.	Size
6881	Large
6882	X-Large

### PIGSKIN PALM

- Combines the best features of a mechanics glove - Velcro wrist closure, durability and tactile dexterity along with the best features of a drivers glove - grain leather, extreme comfort and abrasion resistance to be one of the most complete gloves offered
- Extremely comfortable with an A-Grade pigskin palm
- Mechanics style glove with Velcro closure and blue stretch back
- Pre-curved design follows the contour of the hand
- Part Nos. 2518-2520 contain a 40 gram Thinsulate™ lining for protection in cold environments



#### THINSULATE™ LINING

Part No.	Size
2514	Medium
2515	Large
2516	X-Large

Part No.	Size
2518	Medium
2519	Large
2520	X-Large

### ATLAS THERMA FIT

Therma-Fit features a warm fleece lining and knit wrist, crinkle finish natural rubber palm coating for excellent dexterity and warmth and improved grip for wet and dry conditions



Part No.	Size
6603	Medium
6604	Large
6605	X-Large

### WINTER LINED DEERSKIN



- High tensile strength deerskin lined with 3M Thinsulate™
- Double shirred wrist retains warmth
- Gunn cut, keystone thumb and self hemmed
- Soft and extremely comfortable



Part No.	Size
2474	Large
2475	X-Large

### PRO GRIP INSULATED PIGSKIN DRIVERS GLOVES

- The premium top grain pigskin is tough and moisture resistant and remains pliable even after repeated wettings
- Excellent breathability, keeps hands cool and dry
- 3M Thinsulate™ lining to keep hands warm without being bulky
- Kevlar® sewn leather-hemmed cuff with a shirred elastic wrist
- Comfortable, more durable keystone thumb and gunn cut
- Applications: maintenance operations, construction, masonry, agriculture, transportation, and electrical contractors



Part No.	Size
6232	Medium
6233	Large
6234	X-Large

### COLD CONDITION®

- The first work glove to deliver warmth, comfort and full dexterity
- Windproof, breathable membrane keeps hands warm and water resistant to keep hands dry
- Super durability with Duraclad® 600 reinforced pads in critical areas
- Neoprene knuckle impact protection
- Secure neoprene wrist closure keeps out the elements



Part No.	Size
6655	Large
6656	X-Large





## HELMETS / HELMET LINERS

### V-GARD HARDHATS

**MSA**

- Lightweight high density polyethylene shell provides superior impact protection
- Fas-Trac® ratchet suspension system features shock absorbing 4-point suspension, headband, sweatband and adjustable crown straps
- Complies with ANSI 287.1-2009 and CSA 294.1-2005 (Class E), low temperature and reverse donning standards
- Standard size fits 6 1/2 to 8
- Slotted design accepts most accessories

**NEW!**

Part No.	Color
2765	White
2766	Red
2767	Yellow
2768	Blue
2769	Hi-Viz Orange
2770	Green
2771	Gray



### HELMET LINERS

- 3 Layer extreme series consists of heavy fleece lining, mid-layer and shell
- Built-in pockets for warming pads



6721



4479



6725

Part No.	Description
4479	Regular Length Liner
6725	Shoulder Length Liner

Part No.	Description
6721	Liner Warmer Pads

### DRAWSTRING

- 3-in-1 adjustable design with drawstring tightening
- Cover full head and full face, full head and half-face or full head and neck
- Polyester fleece construction



Part No.	Description
4480	Drawstring Winter Liner

### FR RATED (FLAME RESISTANT)

- 2 layer cotton twill/fleece
- Insulated ear barrier, reflective strip and ear warmer pockets
- FR treated cotton, up to 30 washes
- One size fits all



6735



6726

Part No.	Size / Description
6735	Mid Length with Mouth Piece
6726	Shoulder Length

## FOOTWEAR

### THERMAL INSOLES

**3M**

- Help you stay outdoors longer and be more productive
- 3M™ Thinsulate™ insulation helps provide warmth by trapping air between you and the outside environment
- Foot-conforming foams absorb shock and provide additional comfort
- Moisture wicking fabrics control moisture to help keep feet drier
- Antimicrobial technology inhibits odor-causing bacteria in the insole



Part No.	Size
2478	9-10
2479	11-12
2480	13-14

### POLYURETHANE BOOTS

#### SUPER DUTY POLYURETHANE BOOTS THERMAL INSULATED (-58°F)

- High performance polyurethane boot with composite toe and puncture plate offer greater protection than steel, with greater flexibility and improved cold weather comfort
- Out performs PVC and neoprene: much greater chemical, impact and wear resistance in a lighter weight extra heavy duty boot
- Nitrile rubber - slip resistant sole with kick-off plate
- Abrasion resistant polyester lining
- Innovative compound reduces odor, antibacterial, antifungal
- 100% metal, 100% plantar protection



6832

### INSULATED LINER

- Antistatic inside lining improves cold weather comfort, sold separately
- Synthetic leather collar at top protects from cold, keeps out snow and debris
- For best fit increase one boot size when using liner



6840

Size	Part No./Pair	
	Boots Only	Liner Only
9	6832	6840
10	6833	6841
11	6834	6842
12	6835	6843
13	6836	6844

### WARMING INSERTS

- Provides 5-18 hours of warmth
- Just shake the packet to start the warming process
- Fits inside boots, gloves, helmet liners or any other clothing



6721



6722



6723

Part No.	Description
6723	Toe Warmer 10/Pk
6721	Glove Inserts
6722	Vest Insert

## CHEMICALS

### SF 7900™ – CERAMIC SHIELD FOR WELDING

- Unique dry film protects welding equipment against metal spatter for up to eight hours, without the need for reapplication
- Easy to apply, ceramic, silicone-free coating dries within seconds
- Protects contact tips, welding nozzles and jigs
- Eliminates the need to continually clean equipment



**NEW!**

Part No.	Temp. Rating
10425	Individual Can – 9.5 oz. net wt.

### PYROSHIELD HEAT SHIELD GEL SPRAY

- Eliminates heat damage to parts during soldering, brazing or welding
- Thick gel formula clings to surfaces without dripping or running off
- Safe, non-toxic, non-staining
- Completely evaporates in 24-36 hours



Part No.	Description
8294	Case of 12 Quarts
8295	1/2 Case of 6 Quarts
8296	Individual Quart

## HEAVY DUTY OUTFIT FOR WELDING

### BRAZING AND CUTTING - STYLE 1

- 11 piece ready-to-use set packed in a reusable tool box with tray
- Cut up to 8" and weld up to 3" with optional tips
- Outfit comes complete with: regulator, cutting attachment, welding torch, cutting and welding tips, 20' oxy/fuel hose set, welding goggles, check valves, flint lighter, tip saver set and instructions
- Great for use in industrial applications like shop and field repairs, autobody and construction



**NEW!**

Part No.	Description
10383	Brazing & Cutting Welding Outfit

## TOOLS

### SUPER GRIPS™

- Super Grips™ combine adjustability of the sliding jaw clamps with the conventional grip plier design
- Adjustable jaw is made of hardened chrome vanadium steel, the rail is made of cold drawn profiled steel
- Ergonomically designed plastic coated release lever, screw with lock nut for clamping pressure adjustment
- The jaws of the pliers remain parallel or at the proper angle to each other in any position
- The preset clamping pressure remains the same, regardless of the distance between the jaws

### PIPE CLAMP

- Cradle jaw aligns/holds pipe firmly in place

Part No.	Throat Depth	Jaw Opening	Clamping Force
12308	2 3/4	4 1/2	310 lbs.



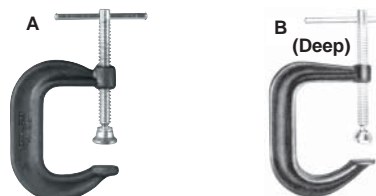
### VARIOGRIP WELDER'S FORK

- Both forks work independent of each other
- Both forks are infinitely adjustable

Part No.	Throat Depth	Jaw Opening	Clamping Force
12309	3	4	310 lbs.

### C CLAMPS - SPATTER RESISTANT

- Screw has heavy rolled Acme threads and impact resistant pad to withstand hard use
- Both are plated with spatter-resistant copper for use in welding operations
- Hot forged steel frame has black oxide finish



Part No.	Capacity	Throat Depth	Picture
11552	0" - 4"	2 3/4"	A
11553	0" - 6"	3 5/8"	A
11554	0" - 8"	4 1/2"	A
11558	0" - 6"	4 3/4"	B
11559	0" - 8"	8 1/2"	B

Federal Specs. : GGG-C-406d

### CUP BRUSH WITH PROTECTION GUARD



- Protection Guard acts as a see-thru shield that prevents wires, dust and other projections from reaching the user during work
- Threaded hub accommodates 5/8-11 arbors
- Crimped cup brushes have high resistance brass coated steel wires for performance and flexibility-resists oxidation
- Knotted cup brushes have tempered steel gray wires for high removal capacity

### CRIMPED

Part No.	Dia.	Wire Size	Trim Length
6250	3"	.012	7/8"
6251	4"	.012	1 3/16"



### KNOTTED

Part No.	Dia.	Wire Size	Trim Length
6252	2 3/4"	.020	3/4"
6253	4"	.020	1 3/16"







## WELDING SAFETY

### WELDING / FIRE BLANKETS

- Use to protect equipment near hazardous operations such as welding, grinding and oxy acetylene cutting

#### STANDARD DUTY

- Abrasion-resistant fiberglass
- Temperature rating: 600°F

Part No.	Description
10360	6 ft. x 6 ft. - 18 oz.
5108	6 ft. x 8 ft. - 18 oz.



5108

#### HEAVY DUTY

- Neoprene-coated fiberglass
- Temperature rating: 1000°F

Part No.	Description
10361	6 ft. x 6 ft. - 30 oz.
5109	6 ft. x 8 ft. - 30 oz.



5109

### IRONFLEX TIG GLOVES

- Heat resistant, designed for TIG welding but with comfort in mind
- Premium grain goatskin leather
- Breathable strach Nomex® flame retardant back for ultimate comfort, fit and protection
- Seamless index finger for smooth rod control
- Pre-curved, natural hand form fit
- Adjustable elastic cuff with hook and loop closure



Part No.	Size
6373	Large
6374	X-Large

### WELDLITE™ PRO-SERIES WELDING JACKET

- A cooler and lighter solution for light exposure to sparks and spatter
- 30", 9 oz, 100% cotton sateen jacket
- Maintains flame resistance for as many as 50 home or 25 commercial washing
- Rot and mildew resistant and anti-static
- Adjustable snap cuffs and stand-up, mandarin style collar
- Snap front closure with leather reinforced snaps
- Relaxed full cut fit with elongated front
- Large inside pocket and outer scribe and pencil pockets



Part No.	Size
5128	Large
5129	XL
5130	2XL

### SHADOW w/NEXGEN®

- Latest auto-darkening technology with standard design
- 3 in1 multi-function: grind, cut or weld
- Smart View™ LCD fingertip control information
- Intellisense technology detects welds less than 5 amps
- 9 sq. in. of viewing area with 4 sensors
- Low battery indicator, replaceable lithium batteries (Part No. 29166)
- Replacement outer cover plate (Part No. 5095)
- Lens replacement kit Part No. 4399 contains 2 inside lenses and 5 outer lenses



Part No.	Description	Repl. Module	Repl. Battery	Lens Kit
5120	Shadow - Black	5100	29166	4399

### AUTO-DARKENING

- Variable shade: 9-13
- Two optical sensors and infinitely adjustable sensitivity
- Solar powered, ratcheting headband adjustment
- Outboard mounted shade and sensitivity controls
- 3.86 x 1.89" viewing area
- Replacement outer cover plate (Part No. 5189), inner cover plate (Part No. 4438)



5140



5141



5142

Part No.	Description
5140	Auto-Darkening Helmet: Black
5141	Auto-Darkening Helmet: Flame
5142	Auto-Darkening Helmet: Camouflage

### WELDING / CUTTING RESPIRATORS

- Can be used as protection from most fumes generated by welding, metal cutting, metal pouring and soldering
- Fits under welding helmet with plenty of clearance
- Provides low breathing resistance
- Disposable



Part No.	Description
10346	Disposable Respirator



- Provides at least 95% (N95) filter efficiency against particulate contaminants free of oil
- Specifically designed for welding and other metal fume applications involving ozone or nuisance level odors
- Maintenance welding operations, torch cutting, brazing, soldering and the pouring of metal



Part No.	MFG No.	Class	Description
5604	7187	N95	Box of 10 Respirators

## LIGHTING

### HIGH POWERED HEADLAMP

- Powerful 155 lumen headlamp with 4.5 hour run time and a swiveling head
- Has a patented combination of a reflector and lens for a focusable light system that provides both a focused beam and a spot light
- Lightweight (4.13 oz.) and easy-to-wear
- Powered by 3 AAA batteries (included)



**NEW!**

Part No.	Run Time	Batteries	Lumens
5520	4.5 Hours	3 AAA (5356)	155

### ARGO®

STREAMLIGHT

- Features 90° tilting head, battery indicator and a durable compact case
- Three digitally controlled brightness levels: **High** - 56 lumens, 1,300 candela peak beam intensity, 7 hour run time, **Medium** - 25 lumens, 575 candela peak beam intensity, 12 hour run time, **Low** - 11 lumens, 250 candela peak beam intensity, 20 hour run time
- Hold push button switch for three seconds for "blink mode"
- Includes elastic head strap and rubber hard hat strap
- Uses 3 AAA batteries included (Part No. 5356)



**NEW!**

Part No.	Run Time	Batteries	Lumens
6312	20/12/7 Hours	3 AAA (5356)	11/25/56

### LED - RECHARGEABLE STINGER

- Anodized aluminum barrel with kurlid grip, optimum peripheral illumination
- 4 modes: high, medium, low, strobe
- Optimized electronics provide regulated intensity throughout battery charge life
- 7.65" long, **NiCad** battery – up to 1000 charges
- 50,000 hour rated LED diodes
- Snap-in charger/holder mounts in any position
- IPX4 rated for water resistant operation
- **2496** includes piggyback holder, two batteries, DC charging cord, A/C charging cord
- **2563** includes 2 charging holders, one battery, DC and AC charging cords

**NEW!**



Part No.	Description	Run Time	Lumens
2496	Piggyback Charger	7/4/2	100/210/390
2563	Fast Charger		
2501	NiCad Battery		

### LED LANTERN/SPOTLIGHT

- Three modes: high (210 lumens), low (20 lumens), signal/strobe
- 8.5 hour battery burn time on high
- Unlimited burn time using 12 volt DC power cord
- Pistol grip for easy handling and a built-in stand
- Powered by 4C batteries, sold separately (Part No. 5353)



Part No.	Run Time	Lumens	Batteries
5397	8.5 Hours	210	4C (5353)

### LED CORDLESS RECHARGEABLE LANTERN

STREAMLIGHT

- "Smart" power failure circuitry automatically turns the light on when the power goes off
- Six C4 LEDs, are impervious to shock with a 50,000 hour lifetime
- 6 wide pattern parabolic reflectors produce a smooth flood pattern
- 615 lumens with an 8 hour runtime
- Zero-maintenance, sealed lead-acid battery is rechargeable up to 500 times
- High impact ABS thermoplastic housing, rubberized impact bumper, lens ring and cushioned-grip handle
- Rated for weather resistant operation
- Red and green indicator LEDs show charge status
- Includes AC and DC charge cords and mountable charge rack
- Length: 11.5" Width: 5.1" Height: 7" Weight: 7.9 lbs.

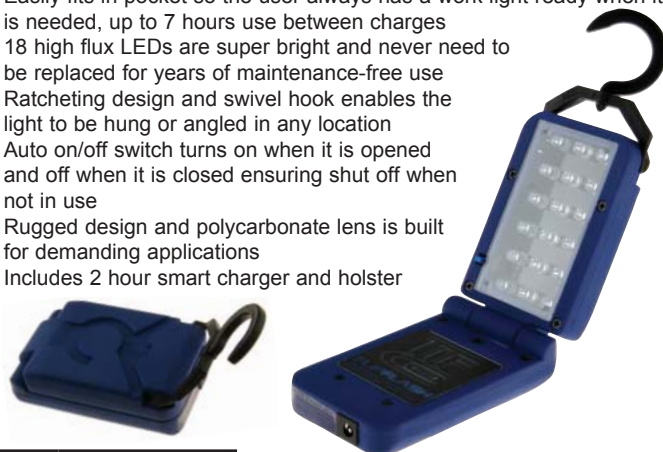


Part No.	Description	Run Time
5496	LED Cordless Rechargeable Lantern	15 Hours

### FLIP FLASH

#### COMPACT RECHARGEABLE AREA LIGHT

- Ultra compact and portable yet bright enough to light up a large work area
- Easily fits in pocket so the user always has a work light ready when it is needed, up to 7 hours use between charges
- 18 high flux LEDs are super bright and never need to be replaced for years of maintenance-free use
- Ratcheting design and swivel hook enables the light to be hung or angled in any location
- Auto on/off switch turns on when it is opened and off when it is closed ensuring shut off when not in use
- Rugged design and polycarbonate lens is built for demanding applications
- Includes 2 hour smart charger and holster



Part No.	Description
5387	Flip Light
5388	12V DC Charger





## TAPES/SHOP TOWELS

### 3M DUAL LOCK™ RECLOSABLE FASTENER

3M

#### SELF-MATING ADHESIVE BACKED 1" WIDE

- Up to 5 times greater holding strength than conventional hook and loop products; Holds minimum\* 2.2 lbs. per sq. inch (tensile) at up to 200°F
- Maintains over 50% holding power up to 1000 closures
- Resists most common solvents, alkaline solutions and transportation fluids (gasoline, motor oil, etc.)
- Closure not affected by water or humidity, performs well under long term UV/sunlight exposure
- Wide temperature range performance (-20°F to 220°F)

\*Static load suggested starting point for evaluation: 4 sq. inches of fastener area per pound of static load to be supported

#### SELF-MATING - CLEAR

Part No.	Description
5249	15 ft. roll x 1" width



#### BLACK - 2-PART

Part No.	Size
9325	10 ft. roll x 1" width



### HOOK & LOOP TAPE DISPENSER - BLACK 1" WIDE

3M

- High grade adhesive backing provides strong bonds to metal, glass, painted surfaces, fiberglass and most plastics
- Great for many applications instead of hooks, screws, latches, tape, snaps and more
- Nylon hooks mesh with pliable loops for fast, secure fastening

Part No.	Description
9328	1" Wide x 15 foot Roll



### SAFETY TAPE

#### 2" x 36 Yd. ADHESIVE

- Made of durable, heavy duty vinyl with glossy laminated finish
- Recommended by OSHA to mark potentially hazardous areas (black/yellow) and fire exits and extinguishers (red/white)
- Adheres to most surfaces, primarily for indoor use, resists grease, oil, moisture, scuffs, most solvents

**Black/Yellow** is commonly used to mark floors, aisles, stairways, equipment, overhangs, obstructions, machinery, work areas and other hazards

**Red/White** is commonly used to mark fire lanes, exit paths, extinguishers, alarms, hydrants, exit signs and other safety equipment

**Black/White** is commonly used to mark floors for industrial traffic flow and boundaries

Part No.	Description
6160	2" x 36Yd. Black/Yellow
6162	2" x 36Yd. Black/White
6161	2" x 36Yd. Red/White



### BRUTE BOX™

#### INDUSTRIAL GRADE SHOP TOWELS

**NEW!**

#### BRUTE BOX XT

- **Extra Tough** - Works like a rag on any job, will not rip, break apart or shred - stays strong even when wet.
- **Advanced Material** - Soft and absorbent, but strong enough to wring out like a towel over and over again. Use one until the job is done.
- **Lint Free Performance** - Excellent for use on surfaces and parts where lint contamination is an issue.
- **Tifco's Highest Performing Towel** - Whether the job is cleaning, scrubbing or polishing, Brute Box will hold up.
- **Compare To Kimberly Clark Wypall X80 Performance.**

#### BRUTE BOX XA

- **Extra Absorbent** - Absorbs seven times its weight in water or oil for sponge like absorbency
- **Double The Thickness** - Double layers soak up and trap liquids, dirt and oil for rapid cleanup using fewer towels
- **Soft And Durable** - Outstanding softness yet durable enough to handle most shop messes
- **Compare To Kimberly Clark Wypall L40 Performance.**



Part No.	Description	Wiper Count
9792	Brute XT Roll	470
9793	Brute Box XT Case	6/100
9795	Brute Box XA Case	9/100
9791	Brute XT - 3 Roll & Stand	3 x 470
9787	Brute XT - 3 Roll & Wall Rack	3 x 470
9788	Wall Rack Only	
9789	Floor Stand Only	

### WYPALL X90 – WHITE

- The highest performing wiper, provides 75% more oil absorption 35% more water absorption
- Made of hydro-entangled polyester fiber for softness and oil absorbency, wood fiber for water absorbency
- A mega-strong, 2-ply, spunbond material featuring HYDROKNIT\* Technology
- Ideal for heavy wiping, prepping surfaces with solvents, and cleaning metal shavings and rough surfaces

**NEW!**



9111

9119 Jumbo Roll w/ 9099 Dispenser

Part No.	Description
9111	Dispensing Box of 136
9119	Jumbo Roll of 450
9099	Jumbo Roll Dispenser Only

## PUSH-TO-CONNECT COPPER FITTINGS

### Q-TITE™ - PUSH-TO-CONNECT

- A heat free method for permanently joining Copper, CPVC and PEX tubing
- Simply insert the tubing into the fitting for a secure connection
- No solder, flux, heat, adhesives, threading machines or special tools required
- Saves time and money on installations
- Eliminates the need to obtain a "Hot Work" permit because the potential for flame damage is eliminated
- Lower costs, reduced labor time and a clean and efficient installation
- EPDM O-ring seal, nylon guide ring and 316 Stainless Steel grab ring
- Meets ASME B16.22 material and performance standards
- Max temperature rating: 180° F
- Max water pressure rating: 200 psi

**NEW!**



**45° ELBOW**

Part No.	Size
36212	1/2
36213	3/4
36214	1"



**90° ELBOW**

Part No.	Size
36215	1/2
36216	3/4
36217	1"



**FEMALE ADAPTER**

Part No.	Size
36206	1/2
36207	3/4
36208	1"



**MALE ADAPTER**

Part No.	Size
36209	1/2
36210	3/4
36211	1"



**TEE**

Part No.	Size
36218	1/2
36219	3/4
36220	1"
36221	3/4 x 3/4 x 1/2
36222	1" x 1" x 1/2
36223	1" x 1" x 3/4



**CAP**

Part No.	Size
36224	1/2
36225	3/4
36226	1"

**Permanent, leak-free connection without tools or chemicals.**



**COUPLING W/STOP**

Part No.	Size
36200	1/2
36201	3/4
36202	1"



**REDUCING COUPLING**

Part No.	Size
36203	3/4 x 1/2
36204	1" x 1/2
36205	1" x 3/4

**Copper Tube Push Fitting Assortment 1/2"**

**84891**

 <b>1/2" Coupling</b> 36200	 <b>3/4" x 1/2" Reducer</b> 36203	 <b>1" x 1/2" Reducer</b> 36204
 <b>1/2" x 1/2" FNPT Adapter</b> 36208	 <b>1/2" x 1/2" MNPT Adapter</b> 36209	 <b>1/2" 45 Elbow</b> 36212
 <b>1/2" 90 Elbow</b> 36215	 <b>1/2" x 1/2" x 1/2" Tee</b> 36218	 <b>3/4" x 3/4" x 1/2" Tee</b> 36221
 <b>1" x 1" x 1/2" Tee</b> 36222	 <b>1/2" Cap</b> 36224	

25 Pcs.

**Copper Tube Push Fitting Assortment 3/4"**

**84892**

 <b>3/4" COUPLING</b> 36201	 <b>3/4" x 1/2" REDUCER</b> 36203	 <b>1" x 3/4" REDUCER</b> 36205
 <b>3/4" x 3/4" FNPT ADAPTER</b> 36207	 <b>3/4" x 3/4" MNPT ADAPTER</b> 36210	 <b>3/4" 45 ELBOW</b> 36213
 <b>3/4" 90 ELBOW</b> 36216	 <b>3/4" x 3/4" x 3/4" TEE</b> 36219	 <b>3/4" x 3/4" x 1/2" TEE</b> 36221
 <b>1" x 1" x 3/4" TEE</b> 36223	 <b>3/4" CAP</b> 36225	

23 Pcs.

**COPPER TUBE PUSH FITTING 1"**

**84893**

 <b>1" COUPLING</b> 36202	 <b>1" x 1/2" REDUCER</b> 36204	 <b>1" x 3/4" REDUCER</b> 36205
 <b>1" x 1" FNPT ADAPTER</b> 36208	 <b>1" x 1" MNPT ADAPTER</b> 36211	 <b>1" 45 ELBOW</b> 36214
 <b>1" 90 ELBOW</b> 36217	 <b>1" x 1" x 1" TEE</b> 36220	 <b>1" x 1" x 1/2" TEE</b> 36222
 <b>1" x 1" x 3/4" TEE</b> 36223	 <b>1" CAP</b> 36226	

17 Pcs.





## BRAKE LINE FITTINGS

### BRAKE LINE FITTINGS

- Used to adapt steel brake lines to the different sized ports in dual master cylinders

**NEW!**

#### SAE BRAKE LINE ADAPTERS

Part No.	Female Thread	Male Thread
37704	3/8-24 Inverted Flare	3/8-24 Bubble Flare
37710	3/8-24 Inverted Flare	9/16-20 Inverted Flare
37711	3/8-24 Inverted Flare	9/16-18 Inverted Flare
37713	1/2-20 Inverted Flare	9/16-18 Inverted Flare
37765	3/8-24 Inverted Flare	7/16-24 Inverted Flare
37768*	3/8-24 Inverted Flare	1/2-20 Inverted Flare
37709	3/8-24 Inverted Flare	1/2-20 Inverted Flare
37712	9/16-18 Inverted Flare	1/2-20 Inverted Flare
37766	7/16-24 Inverted Flare	3/8-24 Inverted Flare
37767	7/16-24 Inverted Flare	1/2-20 Inverted Flare
37708	7/16-24 Inverted Flare	9/16-18 Inverted Flare
37705	7/16-24 Inverted Flare	9/16-18 Inverted Flare



37768



37709



37711

#### METRIC BRAKE LINE ADAPTERS

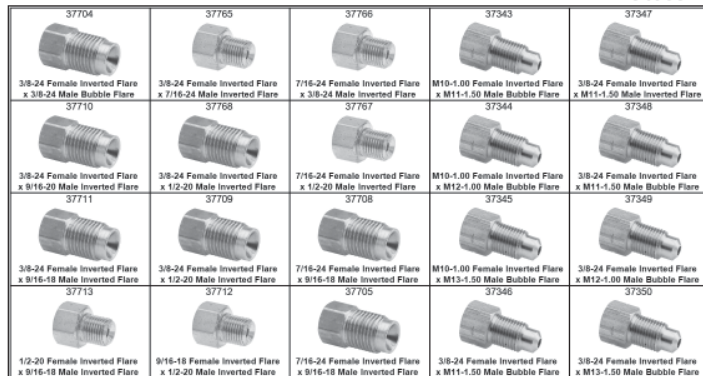
Part No.	Female Thread	Male Thread
37343	(3/16) M10 x 1.0 Inv. Flare	M11 x 1.5 Bubble Flare
37344	(3/16) M10 x 1.0 Inv. Flare	M12 x 1.0 Bubble Flare
37345	(3/16) M10 x 1.0 Inv. Flare	M13 x 1.5 Bubble Flare
37346	3/8-24 Inv. Flare	M10 x 1.0 Bubble Flare
37347	3/8-24 Inv. Flare	M10 x 1.0 Inverted Flare
37348	3/8-24 Inv. Flare	M11 x 1.5 Bubble Flare
37349	3/8-24 Inv. Flare	M12 x 1.0 Bubble Flare
37350	3/8-24 Inv. Flare	M13 x 1.5 Bubble Flare



37350

#### BRAKE LINE ADAPTER ASSORTMENT

84908



50 Pcs.

### COPPER-NICKEL BRAKE LINE

- Provides superior reliability and durability for long-life functioning of the brake system
- An alloy of 90% copper 10% nickel
- Very high corrosion resistance
- Out performs standard double-walled tubing
- Easy to bend and flare for trouble-free installation

**NEW!**



#### 25 FOOT COILS

Part No.	Size
39142	3/16
39143	1/4

## BLEEDER SCREWS

### BRAKE BLEEDER SCREWS

**NEW!**

3/8-24 x 1.36" 29270	3/8-24 x 1.47" 29271	3/8-24 x 1.11" 29272
5/16-24 x 1.06" 29273	1/4-28 x 0.92" 29274	M8-1.25 x 23.55mm 29275
M10-1.5 x 27.5mm 29276	M10-1.0 x 32.75mm 29277	M7-1.0 x 32mm 29279
M7-1.0 x 38.55mm 29280	7/16-20 x 1.27" 29281	M8-1.25 x 31.6mm 29282
M8-1.0 x 26.4mm 29283		
BLEEDER SCREW CAP 29295	REPAIR INSERTS 29292 – 1/4 x 1 1/16 29293 – 7/16 x 1 1/16 29294 – 1/8 x 31/32	COPPER WASHERS 29296 – 29/64 I.D. x 11/16 O.D. 29297 – 1/2 I.D. x 13/16 O.D. 29298 – 25/64 I.D. x 5/8 O.D. 29299 – 7/16 I.D. x 13/16 O.D.

#### BRAKE BLEEDER SCREW ASSORTMENT

84909

1/4-28 x .92" BLEEDER SCREW 29274	5/16-24 x 1.06" BLEEDER SCREW 29273	3/8-24 x 1.11" BLEEDER SCREW 29272	3/8-24 x 1.36" BLEEDER SCREW 29270	3/8-24 x 1.47" BLEEDER SCREW 29271	7/16-20 x 1.27" BLEEDER SCREW 29281
M7-1.00 x 32mm BLEEDER SCREW 29279	M7-1.00 x 38.55mm BLEEDER SCREW 29280	M8-1.25 x 23.55mm BLEEDER SCREW 29275	M8-1.25 x 31.6mm BLEEDER SCREW 29282	M8-1.00 x 26.4mm BLEEDER SCREW 29283	M10-1.50 x 27.5mm BLEEDER SCREW 29276
M10-1.00 x 32.75mm BLEEDER SCREW 29277	BLEEDER SCREW CAP 29295	1/8-27 NPT x 31/32" REPAIR INSERT 29294	1/4-18 NPT x 1 1/16" REPAIR INSERT 29292	7/16-20 NPT x 1 1/16" REPAIR INSERT 29293	
29/64" I.D. x 11/16" O.D. COPPER WASHER 29296	1/2" I.D. x 13/16" O.D. COPPER WASHER 29297	7/16" I.D. x 13/16" O.D. COPPER WASHER 29298	25/64" I.D. x 5/8" O.D. COPPER WASHER 29299		

105 Pcs.

### STEEL BRAKE LINE TUBING

- Designed for use with hydraulic brake systems
- Galvanized for rust protection
- Meets OE Specifications
- Fittings sold separately

**NEW!**



#### 25 FOOT ROLLS

Part No.	Size
39146	3/16"
39147	1/4"
39148	5/16"
39149	3/8"

## GLADHANDS

### SUPREME ALUMINUM GLADHANDS

- Top-of-the-line gladhands with tough powder coating that improves wear and corrosion resistance
- Vividly colored to provide improved identification of service and emergency lines
- Stainless steel clamp and wear plate eliminates corrosion of critical mating surfaces
- Stainless steel filter restricts dirt particles from entering the system
- Polyurethane seals are oil and chemical resistant and provide improved sealing and service life



**NEW!**

Part No.	Description
35111	Package of 1 Emergency - Red & 1 Service - Blue
35112	Universal
35113	Emergency - Red
35114	Service - Blue

### FLEX-GRIPS – GLAD HAND GRIPS

- Unique rubberized gladhand grips that may be used on rubber hose assemblies or air coils
- Protect hose/tubing during gladhand connection
- Allow gradual bend restriction during tight turns
- Packed in a field install set



Part No.	Description
35101	Red & Blue Gladhand Grip Pack

### AIR BRAKE HOSE END REPAIR KITS 3/8" I.D. HOSE SIZE

- Meets the requirements of DOT 106 and SAE J1402
- Swivel Ends reduce residual torque in hose for longer life - No need to disconnect both ends to service the brake system
- Components in contact with the air made of corrosion resistant brass and nylon to improve air system life
- Requires 5/16" hex key (Part# 2313) for installation. Sold separately.



Part No.	Description
39225	2 End Fittings 3/8" NPTF
39226	2 End Fittings 1/2" NPTF

## COILS

### AIRCOILS

#### POLARAIR™ - POLYURETHANE

- Perfect for extreme weather conditions
- Remains flexible at -85°F (-65°C)
- Excellent rating for recoil memory, chemical resistance
- Meets SAE J844 & J1131, and FMVSS 571.

Part No.	Description
12589	15' Pair w/ 40" Leads



#### HEAVY-DUTY

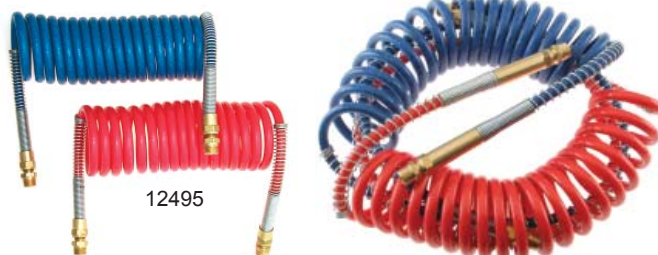
- Vertical at the tractor end, angled at the trailer end prevents nose kinking
- Plated steel spring for cable support
- Meets SAE J844 & J1131, and FMVSS 571.106 specifications

Part No.	Description
12586	15' Pair w/ 40" Leads



### RETRACTABLE AIRCOILS - NYLON

- 1/2" Male pipe thread on each end
- Sets consist of one blue and one red hose



12495

12497

Part No.	Description
12494	12' Standard
12495	15' Standard
12496*	15' w/40" Pigtail
12497*	15' w/40" Pigtail & Brass Handle

\*40 inch pigtail for greater wear protection and easier handling

### 16" TENDER KIT

- Keeps hoses secure and out of the way
- Heavy duty spring with large snap clip, protective sleeve and reinforced clamp hanger
- Yoke present on double kits



35293

35290

Part No.	Description
35290	Double 16"
35293	Single 16"





## FLEET WARNING PRODUCTS

### MAG-FLARE

#### MAGNETIC 24 DIODE, RECHARGEABLE SAFETY LIGHT

**Visible Up To 1 Mile** - 24 super bright LEDs are highly visible, to signal your location or identify a road hazard

**Rechargeable** - Lithium Ion battery can be stored up to 90 days between charges

**Heavy Duty** - Crush proof, water proof and submersible up to 50 feet

**Magnetic Base** - Attach to a vehicle or anchor to any metal surface

**5 Flashing Patterns** - Rotating, Quad Flash, Alternating, SOS and Constant On

**DOT and Traffic Safety Compliance** - Meets U.S. DOT 46 CFR 392.25 & 393.95, MUTCT Type A & C, NFPA 1901

**Safe for use in almost any environment** - No flame, no smoke, no harmful bi-products and does not produce perchlorate



RECHARGES  
IN THE CASE

#### INDIVIDUAL

Includes 12V and 120V charger and storage bag

#### 4 PACK CASE

Includes: (4) Mag-Flares, (1) 120 volt wall charger, (1) 12 volt car charger, (2) Flex-Fit tripods, (1) Charging/carrying case

Flash Pattern	Run Time
Reverse Rotate	8 Hours
Quad Flash	10 Hours
Alternating Blink	8 Hours
S.O.S. Rescue	8 Hours
Steady On	6 Hours



Excellent night time visibility for increased safety



Easily attachable to a truck, automobile or any magnetic surface

Part No.	Description
3394	Yellow Mag-Flare
3395	Red Mag-Flare
3396	Yellow 4 Pack w/Charging Case
3397	Red 4 Pack w/Charging Case

### WARNING TRIANGLE KIT

- Meets all requirements of FMVSS 125 highway warning devices
- Inner connected construction allows fast set-up
- Fluorescent orange for day effectiveness, red reflex for night
- Spring steel base of optimum stability, exceeds 60 m.p.h. wind test
- Three triangles packed in reusable plastic carrying case



Part No.	Size	Description
3418	Triangle = 17" each side Base = 18" x 1" x 1/2"	Set of Three Complete Triangle Units

### MAG-WAND

#### MAGNETIC 15 DIODE, RECHARGEABLE SAFETY WAND

- A multi-functional light that is strong enough to withstand heavy truck traffic yet light enough to be held easily in your hand
- 15 LEDs are visible up to 1/2 mile - great for identifying a road hazard or signaling traffic
- Can be stored up to 90 days between charges
- 10 1/2" wand is crush proof, water proof and submersible up to 50 feet
- Integrated high strength magnet attaches the light to metal surfaces and the charging base
- Select from 5 flashing patterns
- Approved for use in personal vehicles and in the aviation, trucking, marine, and public safety markets
- Meets U.S. DOT 46 CFR 392.25 & 393.95, MUTCT Type A & C, NFPA 1901

#### INDIVIDUAL

Includes 12V and 120V charger and storage bag

#### 3 PACK CASE

Includes: (3) Mag-Wands  
(1) 120 volt wall charger  
(1) 12 volt car charger  
(2) Flex-Fit tripods  
(1) Charging/carrying case

Flash Pattern	Run Time
Reverse Rotate	5 Hours
Quad Flash	10 Hours
Alternating Blink	3 Hours
S.O.S. Rescue	10 Hours
Steady On	4 Hours



RECHARGES  
IN THE CASE

Part No.	Description
3398	Yellow Mag-Wand
3399	Red Mag-Wand
3400	Yellow 3 Pack w/Charging Case
3401	Red 3 Pack w/Charging Case

### OVERSIZE / WIDE LOAD BANNERS

- High quality yellow-grommetted transport signage
- REFLECTIVE SHEETING is the diamond grade level 1 long-lasting materials
- MESH products are constructed with a strong interlocking design that allow optimal air flow
- VINYL products are hand sewn and grommetted from 9-14 oz. material for increased durability
- CANVAS designed especially for use in cold climates, made from 10 oz. cotton duck canvas



**OVERSIZE LOAD**

18" x 84"

Part No.	Material	Text
3363	Reflective Sheeting	Oversized Load
3364	Mesh	Oversized Load
3367	Vinyl	Oversize Load / Wide Load (2-sided)
3368	Canvas	Oversize Load / Wide Load (2-sided)

## CARGO CONTROL

### DOMESTIC LOAD BINDERS - LEVER TYPE

- Meets or exceeds CVSA guidelines (2/92) and FHWA 393.102 (b) 8/94
- Heat treated components, proof tested
- Working load limit embossed on handle (5400 lbs.)
- 360° swivel action on both hooks to allow straight line pull



Part No.		Size
Domestic	Import	
35137	35142	3/8 (43) / 5/16 (70)

### LOAD BINDERS - RATCHET TYPE

- Meets or exceeds CVSA guidelines (2/92) and FHWA 393.102 (b) 8/94
- Turnbuckle style, drop-forged steel components
- Double-acting, spring loaded pawls offer infinite adjustment
- Working load limit embossed on handle (5400 lbs.)
- 360° swivel action on both hooks to allow straight line pull
- Oversized eyebolts and steel barrels for extra strength



Part No.		Size
Domestic	Import	
35138	35143	3/8 (43) / 5/16 (70)

### E-Z PRO LEVER LOAD BINDER

#### CONTROLLED RELEASE

Low energy release binder allows you to release the binder effortlessly, without using any tools or prying. It can actually be released under load at the same point every time, when the handle is at the 12 o'clock position. Free turning, 360° continuous swivel action in both tongue and clevis for enhanced straight line pull. Binder toggles away from load. Highly visible yellow paint finish. Meets DOT regulations for heavy duty trucking



Part No.	Size
35139	3/8 (43) / 5/16 (70)

### CARGO STRAPS W/EDGE GUARD

#### RATCHET TIE DOWNS

- 100% Nylon, flat steel hooks, 18" fixed end, plated ratchet
- Premium *edge-guard* strap resists fraying



- 10,000 Lb. tensile strength, 2,500 Lb. work load limit

#### 2" x 27 FT.

Part No.	Description
35167	Ratchet and 2" x 27 ft. w/Flathook
35168	Ratchet and 2" x 27 ft. w/J hook
35132	Replacement Strap w/Flat Hook



- Work load limit: 5000 Lbs.
- Tensile strength: 20,000 Lbs.

#### 4" x 30 FT.

Part No.	Description
35163	Ratchet and 4" x 30 ft. Strap w/Flathook
35166	Replacement Strap w/Flat Hook
35164	Replacement Strap w/Chain Hook

### DOMESTIC BINDER CHAINS

- 20 Ft. chain with alloy clevis grab hook on each end
- Meets DOT regulations for heavy duty trucking
- **Do not use for overhead lifting**

#### GRADE 70 - ASSEMBLY

Part No.	Size	Working Load Limit
3978	5/16" x 20'	4700 Lbs.
3979	3/8" x 20'	6600 Lbs.
3982	1/2" x 20'	9200 Lbs.

#### GRADE 43 - ASSEMBLY

Part No.	Size	Working Load Limit
3980	3/8" x 20'	5400 Lbs.

#### GRADE 70 - HOOKS ONLY

Part No.	Size	Max Load Limit
3797	5/16	3,900
3798	3/8	5,400
3799	1/2	9,200







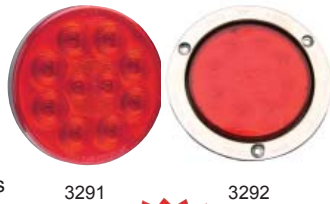
## LED LIGHTING

### 4" ROUND LED STOP/TURN/TAIL LAMPS

Grote

#### SUPERNOVA®

- Lens design spreads light for maximum dispersion
- Encapsulated potting for total circuit board protection
- Hermetic lens-to-housing seal
- Advanced pin connection system uses tin-plated brass pin terminals
- Use plug #3301



**NEW!**

#### 4" ROUND

Part No.	Mfg. No.	Description
3291	53252	10 Diode Red
3292	53302	10 Diode Red w/Flange

#### 2 1/4" x 6 1/2" OVAL

Part No.	Mfg. No.	Description
3297	53962	16 Diode Red



#### SELECT

- Uses standard 3-pin plugs and mounting grommet
- Unique lens pattern provides exceptional visibility with solid appearance of incandescent lamp
- Grote 3-pin plug #3307

Part No.	Mfg. No.	Description
3293	54342	Grote Select – Red
3294	54343	Grote Select – Amber



#### HI-COUNT®

- Uses standard 3-Pin plugs (#3307) and mounting grommet

#### 4" ROUND

Part No.	Mfg. No.	Description
3290	G4002	24 Diode Red



#### 2 1/4" x 6 1/2" OVAL

Part No.	Mfg. No.	Description
3295	G6002	56 Diode Red
3296	G6003	56 Diode Yellow



### SURFACE MOUNT

Maxxima

- High impact polycarbonate lens and housing are sonically welded
- Uses standard 3-pin connector (Part No. 3422)



Part No.	Description
3143	9 Diode Red 4" Round
3145	9 Diode Red 2" x 6" Oval
3147	9 Diode 2" x 6" Oval Backup

### MODEL 15 TYPE 1 1/4 x 2 1/2

#### STAINLESS ID BAR

- Pre-wired, multiple 2-pin connectors
- 12 diodes per lamp
- Brushed Stainless steel housing
- Height 1.25", width 15.25"



Part No.	Mfg. No.	Description
3170	20323R	Stainless ID Bar / Red

#### INDIVIDUAL LIGHT

- Use plug #3421

Part No.	Mfg. No.	Description
3338	20320R	8 Diode 2 1/2" Rectangle
3339	20320Y	8 Diode 2 1/2" Rectangle



### THIN LINE 3/4" x 4"

#### STAINLESS ID BAR

- Pre-wired, multiple 2-pin connectors
- 7 diodes per lamp, armored for protection
- Slim design for tight mounting locations
- Heavy aluminum extrusion, excellent corrosion protection



Part No.	Mfg. No.	Description
3171	20343R	Stainless ID Bar / Red

#### INDIVIDUAL LIGHT

- Standard 3" mount hole centers
- Hardwired bullet and ring connections

Part No.	Mfg. No.	Description
3342	20340R	7 Diode Red Light
3343	20340Y	7 Diode Amber Light



### MID-TURN LAMP - AMBER

- High impact polycarbonate lens and housing are sonically welded
- Uses standard 3-pin connector (Part No. 3422)



Part No.	Mfg. No.	Description
3179	63121Y	28 Diode Mid-Turn/Marker Lamp

### 8" ROUND

- 12V, max amp draw: 650 ma
- 11 selectable flash patterns, Class 1 & Title 13 patterns included
- Resin sealed electronics
- 3" high, polycarbonate housing
- Card tap pattern change system

**NEW!**



Part No.	Description
2699	8" Round Amber

## AUTOMOTIVE CHEMICALS

### X-TREME SOLV SOLVENT CLEANER

- Multipurpose - Can be used to thoroughly clean any painted or unpainted surface.
- Prep almost any surface for adhesives, paint or repair work.
- Rapid evaporation and residue free formula
- Will not streak or etch surfaces - safe on most plastics and rubbers
- Ideal solvent for professional autobody shops
- Competes with ACRYSOL
- Aerosol: 20 fl. oz., 13 oz. net wt.



Part No.	Description
7730	Case of 12 Quarts (32 oz. Cans)
7731	Individual Quart (32 oz. Cans)
7794	Case of 12 (20 oz. Aerosol Cans)
7795	1/2 Case of 6 (20 oz. Aerosol Cans)

**NOT FOR SALE IN CALIFORNIA**

### TIFCO RENEW SPRAY RUST CONVERTER

TIFCO Renew is a two in one copolymer rust treatment. It is a combination of acrylic copolymers and acids that will neutralize rust and leave a black glossy coating of acrylic paint. It converts rust into acrylic/iron coating and prevents future rusting for up to one year. Once cured it can be painted or left unpainted

- Minimal surface preparation necessary
- Convenient no-mess spray application
- Use as a primer or finish coat (only effective if rust is present)
- Neutralizes rust and leaves a glossy prime coat
- Cured finish resists temperatures up to 250°F
- 16 fl. oz., 13 oz. net wt.



**FLAMMABILITY**

Part No.	Description
8182	Case of 12 Aerosol Cans
9891	1/2 Case of 6 Aerosol Cans

### TIFCO RENEW

RENEW rust treatment goes on white, neutralizes rust, and leaves a glossy black acrylic coating

- No surface preparation necessary
- Two steps in one, use as primer or finish coat (only effective if rust is present)
- Neutralizes rust and leaves a glossy prime coat
- Odorless, no strong acids
- Non-flammable, resists temperatures up to 250°F
- Spray, brush or roll-on wet or dry surfaces
- Ready to use, paintable in 10 minutes



Part No.	Description
9671	Case of 12 Quarts
9672	1/2 Case of 6
9673	Individual Quarts

### TIFCO AMP-AID™ BATTERY CLEANER

TIFCO AMP-AID is a battery terminal cleaner and protector spray which quickly dissolves all corrosion on battery terminals and leaves a residual foam which prevents future corrosion on terminals and hold down bolts.

- Dissolves and eliminates corrosion
- Eliminates future corrosion
- Cuts current loss between terminals - increases battery life
- Increases performance of electrical system
- Contains an acid indicator to tell where battery acid is present
- 16 fl. oz., 15 oz. net wt.



Part No.	Description
8242	Case of 12 Aerosol Cans
9933	1/2 Case of 6 Aerosol Cans

### TIFCO RED KOTE BATTERY SEALANT & METAL PROTECTOR

TIFCO RED KOTE Protectant sealant provides a visible red coating that contains high quality corrosion inhibitors for long lasting protection. High performance formula is self healing and will not crack, flake or run. Protects metal against salt - water spray, rain, humidity and other types of moisture. It will not affect paint or primed surfaces and offers excellent corrosion resistance to any metal parts and machinery.

- Prolongs battery life
- Will not crack or flake
- Resists corrosion, salt spray, moisture
- 20 fl. oz., 15 oz. net wt.



Part No.	Description
7614	Case of 12 Aerosol Cans
9954	1/2 Case of 6 Aerosol Cans

### TIFCO NO-SCRAPE™ DE-ICER

TIFCO NO-SCRAPE™ quickly dissolves ice, snow, and frost from windshields and windows without scraping. NO-SCRAPE also thaws frozen locks and prevents freezing for hours.

- No distortion - no gumming
- Water soluble - can be rinsed clean with water
- No delay - no scraping
- Prevents fogging when applied to inside of window to increase visibility
- 16 fl. oz., 11.5 oz. net wt.



Part No.	Description
9480	Case of 24 Aerosol Cans
7605	1/2 Case of 12 Aerosol Cans
9905	1/4 Case of 6 Aerosol Cans





## RIVETS

### DOMEHEAD

- Used to fasten materials when access to only one side is possible
- For best results, match rivet body material with the material being fastened
- Aluminum is commonly used in outdoor applications and corrosive environments
- Steel affords greater strength than aluminum, all stainless offers strength with corrosion resistance



STEEL RIVET, STEEL MANDREL POP RIVET ASSORTMENT

85161

7360 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7358 * 5/32 DIAMETER 3/16 to 1/4 GRIP RANGE DOMEHEAD	7366 * 3/16 DIAMETER 1/4 to 3/8 GRIP RANGE DOMEHEAD	7454 * 3/16 DIAMETER 1/4 to 3/8 GRIP RANGE LARGE FLANGE
7362 * 1/8 DIAMETER 3/16 to 1/4 GRIP RANGE DOMEHEAD	7360 * 5/32 DIAMETER 1/4 to 3/8 GRIP RANGE DOMEHEAD	7368 * 3/16 DIAMETER 3/8 to 1/2 GRIP RANGE DOMEHEAD	7490 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE 120° COUNTERSUNK
7354 * 1/8 DIAMETER 5/16 to 3/8 GRIP RANGE DOMEHEAD	7362 * 3/16 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7450 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE LARGE FLANGE	7492 * 1/8 DIAMETER 3/16 to 1/4 GRIP RANGE 120° COUNTERSUNK
7356 * 5/32 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7364 * 3/16 DIAMETER 1/8 to 1/4 GRIP RANGE DOMEHEAD	7452 * 1/8 DIAMETER 1/8 to 1/4 GRIP RANGE LARGE FLANGE	7455 * 3/16 DIAMETER 3/8 to 1/2 GRIP RANGE LARGE FLANGE

1200 Pcs.

ALUMINUM RIVET, ALUMINUM MANDREL POP RIVET ASSORTMENT

85163

7420 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7428 * 5/32 DIAMETER 3/16 to 1/4 GRIP RANGE DOMEHEAD	7436 * 3/16 DIAMETER 1/4 to 3/8 GRIP RANGE DOMEHEAD	7474 * 3/16 DIAMETER 1/4 to 3/8 GRIP RANGE LARGE FLANGE
7422 * 1/8 DIAMETER 3/16 to 1/4 GRIP RANGE DOMEHEAD	7430 * 5/32 DIAMETER 1/4 to 3/8 GRIP RANGE DOMEHEAD	7438 * 3/16 DIAMETER 3/8 to 1/2 GRIP RANGE DOMEHEAD	7510 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE 120° COUNTERSUNK
7424 * 1/8 DIAMETER 5/16 to 3/8 GRIP RANGE DOMEHEAD	7432 * 3/16 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7470 * 1/8 DIAMETER 1/16 to 1/8 GRIP RANGE LARGE FLANGE	7512 * 1/8 DIAMETER 3/16 to 1/4 GRIP RANGE 120° COUNTERSUNK
7426 * 5/32 DIAMETER 1/16 to 1/8 GRIP RANGE DOMEHEAD	7434 * 3/16 DIAMETER 1/8 to 1/4 GRIP RANGE DOMEHEAD	7472 * 1/8 DIAMETER 1/8 to 1/4 GRIP RANGE LARGE FLANGE	7475 * 3/16 DIAMETER 3/8 to 1/2 GRIP RANGE LARGE FLANGE

1200 Pcs.

ALL STEEL AND ALL ALUMINUM POP RIVET ASSORTMENT

85179

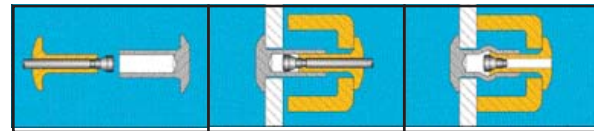
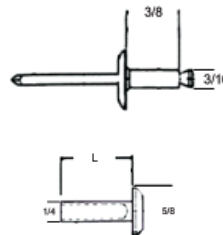
7350 * 1/8 DIA. STEEL 1/16 to 1/8 GRIP RANGE	7352 * 1/8 DIA. STEEL 3/16 to 1/4 GRIP RANGE	7354 * 1/8 DIA. STEEL 5/16 to 3/8 GRIP RANGE	7355 * 1/8 DIA. STEEL 3/8 to 1/2 GRIP RANGE	7333 1/8" STEEL BACK-UP WASHER
7362 * 3/16 DIA. STEEL 1/16 to 1/8 GRIP RANGE	7364 * 3/16 DIA. STEEL 1/8 to 1/4 GRIP RANGE	7366 * 3/16 DIA. STEEL 1/4 to 3/8 GRIP RANGE	7368 * 3/16 DIA. STEEL 3/8 to 1/2 GRIP RANGE	7334 3/16" STEEL BACK-UP WASHER
7420 * 1/8 DIA. ALUM. 1/16 to 1/8 GRIP RANGE	7422 * 1/8 DIA. ALUM. 3/16 to 1/4 GRIP RANGE	7422 * 1/8 DIA. ALUM. 5/16 to 3/8 GRIP RANGE	7424 * 1/8 DIA. ALUM. 3/8 to 1/2 GRIP RANGE	7330 1/8" ALUMINUM BACK-UP WASHER
7432 * 3/16 DIA. ALUM. 1/16 to 1/8 GRIP RANGE	7434 * 3/16 DIA. ALUM. 1/8 to 1/4 GRIP RANGE	7436 * 3/16 DIA. ALUM. 1/4 to 3/8 GRIP RANGE	7438 * 3/16 DIA. ALUM. 3/8 to 1/2 GRIP RANGE	7332 3/16" ALUMINUM BACK-UP WASHER

850 Pcs.

### RIVET-MATE

This Rivet-Mate style rivet is capable of fastening multiple components up to 2 1/8" thick. Consists of a male blind rivet and a female semi-tubular rivet. Rivet-Mates are used in sets in assemblies where you have access to both sides. You can control the tension of the fastener which is good for plastic assembly and hinge points where you need strength, but allows the assembly to move. Available in aluminum or steel in grip ranges from 3/4" to over 2".

- Capable of fastening multiple components up to 2 1/8" thick
- Use on metal, wood, plastic, fiberglass, etc.
- Reliable, vibration resistant joint that won't torque out like threaded products
- Tamper Resistant - used in security applications and public access locations
- Eliminates marring the application's surface
- Non-Critical hole size permits easier application preparation and drilling methods
- Utilizes standard, hand held, or power rivet tools for easy fastening
- Works in the same way as a sex screw
- Recommended for applications where sheer value is equal to or less than the tension (350 lbs. alum/steel, 250 lbs. all alum)



Part No. Alum/Steel	Part No. All Alum	L	Grip Range
7305	7315	0.58	5/8 - 3/4
7306	7316	0.82	7/8 - 1 1/8
7307	7317	1.07	1 1/8 - 1 3/8
7308	7318	1.32	1 3/8 - 1 5/8
7309	7319	1.57	1 5/8 - 1 7/8
7310	7320	1.82	1 7/8 - 2 1/8

1/4" DIAMETER RIVET MATE ASSORTMENT

85063

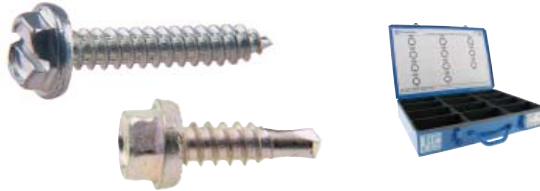
7305 5/8 to 3/4 GRIP RANGE ALUMINUM/STEEL	7307 1 1/8 to 1 3/8 GRIP RANGE ALUMINUM/STEEL	7309 1 5/8 to 1 7/8 GRIP RANGE ALUMINUM/STEEL
7315 5/8 to 3/4 GRIP RANGE ALL ALUMINUM	7317 1 1/8 to 1 3/8 GRIP RANGE ALL ALUMINUM	7319 1 5/8 to 1 7/8 GRIP RANGE ALL ALUMINUM
7306 7/8 to 1 1/8 GRIP RANGE ALUMINUM/STEEL	7318 1 3/8 to 1 5/8 GRIP RANGE ALUMINUM/STEEL	7320 1 7/8 to 2 1/8 GRIP RANGE ALUMINUM/STEEL
7316 7/8 to 1 1/8 GRIP RANGE ALL ALUMINUM	7318 1 3/8 to 1 5/8 GRIP RANGE ALL ALUMINUM	7320 1 7/8 to 2 1/8 GRIP RANGE ALL ALUMINUM

300 Pcs.

## CRIMPTITE

### CRIMPTITE® HEX SLOTTED METAL SCREWS

- Provides higher drive-to-strip ratios than other sheet metal screws
- Increases resistance to vibration loosening
- Provides reliable performance even after removal and reinsertion
- Lowers scrap, rework and in-place costs
- Allows use of lighter gauge sheet metals
- Can be used as repair screws where standard sheet metal screws have stripped out



CRIMPTITE HEX SLOTTED WASHER HEAD METAL SCREW ASSORTMENT

85261

33603 6 x 3/8 METAL SCREW 33603	33601 6 x 1/2 METAL SCREW 33601	33602 8 x 3/8 METAL SCREW 33602	33604 8 x 1/2 METAL SCREW 33604
33605 8 x 3/4 METAL SCREW 33605	33606 8 x 1" METAL SCREW 33606	33607 10 x 1/2 METAL SCREW 33607	33608 10 x 3/4 METAL SCREW 33608
33609 10 x 1" METAL SCREW 33609	33610 10 x 1 1/2 METAL SCREW 33610	33611 12 x 3/4 METAL SCREW 33611	33612 12 x 1" METAL SCREW 33612
33613 12 x 1 1/2 METAL SCREW 33613	33614 1/4 x 3/4 METAL SCREW 33614	33615 1/4 x 1" METAL SCREW 33615	CRIMPTITE HEX HD SLT METAL SCR 1/4 x 1 1/2"

500 Pcs.

CRIMPTITE HEX SLOTTED WASHER HEAD METAL SCREW ASSORTMENT

85667

33603 8 x 1/2 AB POINT 33603	33605 8 x 3/4 AB POINT 33605	33606 8 x 1" AB POINT 33606	33608 10 x 1/2 AB POINT 33608	33610 10 x 3/4 AB POINT 33610	33611 10 x 1" AB POINT 33611
33614 12 x 3/4 AB POINT 33614	33615 12 x 1" AB POINT 33615	33616 12 x 1 1/2 AB POINT 33616	33617 1/4 x 3/4 AB POINT 33617	33618 1/4 x 1" AB POINT 33618	33620 1/4 x 1 1/2 AB POINT 33620
33623 8-18 x 1/2 DRILL POINT 33623	33625 8-18 x 3/4 DRILL POINT 33625	33626 8-18 x 1" DRILL POINT 33626	33628 10-16 x 1/2 DRILL POINT 33628	33630 10-16 x 3/4 DRILL POINT 33630	33631 10-16 x 1" DRILL POINT 33631
33633 12-14 x 3/4 DRILL POINT 33633	33634 12-14 x 1" DRILL POINT 33634	33636 12-14 x 1 1/2 DRILL POINT 33636	33637 1/4-14 x 3/4 DRILL POINT 33637	33638 1/4-14 x 1" DRILL POINT 33638	33640 1/4-14 x 1 1/2 DRILL POINT 33640

600 Pcs.

CRIMPTITE HEX SLOTTED WASHER HEAD METAL SCREW ASSORTMENT

85660

33600 6 x 3/8 METAL SCREW 33600	33601 6 x 1/2 METAL SCREW 33601	33602 8 x 3/8 METAL SCREW 33602	33603 8 x 1/2 METAL SCREW 33603	33605 8 x 3/4 METAL SCREW 33605
33606 8 x 1" METAL SCREW 33606	33607 10 x 3/8 METAL SCREW 33607	33608 10 x 1/2 METAL SCREW 33608	33610 10 x 3/4 METAL SCREW 33610	33611 10 x 1" METAL SCREW 33611
33613 10 x 1 1/2 METAL SCREW 33613	33614 12 x 3/4 METAL SCREW 33614	33615 12 x 1" METAL SCREW 33615	33616 12 x 1 1/2 METAL SCREW 33616	33617 1/4 x 3/4 METAL SCREW 33617
33618 1/4 x 1" METAL SCREW 33618	33620 1/4 x 1 1/2 METAL SCREW 33620	10964 1/4" MAGNETIC CHUCK 10964	10965 5/16" MAGNETIC CHUCK 10965	10966 3/8" MAGNETIC CHUCK 10966

625 Pcs.

## X-TREME STRUCTURAL

### X-TREME STRUCTURAL (SUPER LAG SCREWS) RUGGED STRUCTURAL SCREWS

- Made of specially hardened steel to provide high tensile, torque and shear strength
- Superior alternative to lag screws because of greater strength, easier installation, and longer lasting coating
- Tremendous drawing power that pulls materials together
- Sharp threads and points instantly bite into the material (including hardwood) reducing the splitting effect due to smaller shanks
- No pre-drilling or pre-counter-sinking required, self-tapping
- Patented head design with built-in washer is rounded so it will not cause a hazard when exposed like with hex-heads on playground equipment.
- The additional shoulder underneath the washer has the ability to center the screw in pre-drilled hardware like hinges and connector plates
- Short lengths may also be used to install wire diamond mesh for stucco buildings



X-TREME STRUCTURAL SCREW ASSORTMENT

84637

32286 10 x 1 1/2 ZINC COATED ROUND WASHER HEAD 32286	32292 1/4 x 2 1/2 ZINC COATED ROUND WASHER HEAD 32292	32298 5/16 x 3 1/2 ZINC COATED ROUND WASHER HEAD 32298	19822 1/4 x 2" STAINLESS STEEL ROUND WASHER HEAD 19822
32287 10 x 2" ZINC COATED ROUND WASHER HEAD 32287	32293 1/4 x 3" ZINC COATED ROUND WASHER HEAD 32293	32299 5/16 x 4" ZINC COATED ROUND WASHER HEAD 32299	19824 1/4 x 3" STAINLESS STEEL ROUND WASHER HEAD 19824
32288 10 x 2 1/2 ZINC COATED ROUND WASHER HEAD 32288	32296 5/16 x 2 1/2 ZINC COATED ROUND WASHER HEAD 32296	32302 3/8 x 3" ZINC COATED ROUND WASHER HEAD 32302	19826 5/16 x 2 1/2 STAINLESS STEEL ROUND WASHER HEAD 19826
32291 1/4 x 2" ZINC COATED ROUND WASHER HEAD 32291	32297 5/16 x 3" ZINC COATED ROUND WASHER HEAD 32297	32304 3/8 x 4" ZINC COATED ROUND WASHER HEAD 32304	19828 5/16 x 4" STAINLESS STEEL ROUND WASHER HEAD 19828

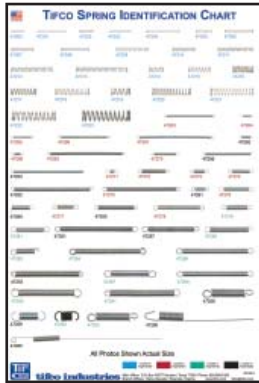
205 Pcs.





## MASTER SPRING ASSORTMENT

- 66 different springs: 24 compression; 42 extension
- A combination of over 400 total compression and extension springs
- Large (20"x30") reference wall chart with actual size pictures of every spring for easy identification (Part No. 92615)
- Comes in four TIFCO Storage Trays (TIFCO No. 91087) and a free, 4-Drawer Heavy-Duty Roller Rack (Part No. 91095)



COMPRESSION SPRING ASSORTMENT				84780
47200 187 O.D. x .023 x 1.00 O.A.L.	47201 187 O.D. x .023 x 2.25 O.A.L.	47202 280 O.D. x .028 x 1.00 O.A.L.	47203 280 O.D. x .028 x 1.75 O.A.L.	
47204 250 O.D. x .028 x 2.50 O.A.L.	47205 312 O.D. x .028 x 1.25 O.A.L.	47206 312 O.D. x .028 x 2.25 O.A.L.	47207 312 O.D. x .035 x 1.75 O.A.L.	
47208 312 O.D. x .035 x 2.25 O.A.L.	47209 375 O.D. x .035 x 2.50 O.A.L.	47210 375 O.D. x .0475 x 1.75 O.A.L.	47211 375 O.D. x .0475 x 2.75 O.A.L.	
47212 438 O.D. x .0475 x 3.25 O.A.L.	47213 438 O.D. x .0475 x 4.0 O.A.L.	47214 468 O.D. x .047 x 1.125 O.A.L.	47215 50 O.D. x .047 x 1.75 O.A.L.	
47216 625 O.D. x .054 x 1.562 O.A.L.	47217 625 O.D. x .062 x 2.0 O.A.L.	47218 625 O.D. x .041 x 2.687 O.A.L.	47219 687 O.D. x .08 x 1.50 O.A.L.	
47220 687 O.D. x .07 x 3.00 O.A.L.	47221 75 O.D. x .047 x 3.375 O.A.L.	47222 875 O.D. x .08 x 3.437 O.A.L.	47223 968 O.D. x .105 x 3.75 O.A.L.	

146 Pcs.

EXTENSION SPRING ASSORTMENT			84781
47263 180 O.D. x .023 x 4.00 O.A.L.	47264 187 O.D. x .023 x 1.0 O.A.L.	47265 187 O.D. x .023 x 1.75 O.A.L.	
47266 230 O.D. x .029 x 4.00 O.A.L.	47267 230 O.D. x .029 x 6.00 O.A.L.	47268 250 O.D. x .029 x 1.0 O.A.L.	
47269 250 O.D. x .089 x 2.25 O.A.L.	47270 250 O.D. x .032 x 6.00 O.A.L.	47271 312 O.D. x .029 x 1.0 O.A.L.	
47272 312 O.D. x .029 x 2.50 O.A.L.	47273 312 O.D. x .035 x 1.50 O.A.L.	47274 312 O.D. x .035 x 2.00 O.A.L.	
47275 330 O.D. x .041 x 6.00 O.A.L.	47276 375 O.D. x .035 x 2.75 O.A.L.	47277 375 O.D. x .048 x 2.0 O.A.L.	
47278 380 O.D. x .048 x 4.00 O.A.L.			

151 Pcs.

Part No. 87198 (403 pcs.)

INCLUDES:

4-DRAWER HEAVY DUTY ROLLER  
RACK AND SPRING CHART INCLUDED

EXTENSION SPRING ASSORTMENT			84782
47279 437 O.D. x .048 x 2.50 O.A.L.	47281 437 O.D. x .048 x 3.00 O.A.L.	47282 500 O.D. x .041 x 3.81 O.A.L.	
47283 500 O.D. x .062 x 2.31 O.A.L.	47284 500 O.D. x .080 x 6.00 O.A.L.	47285 500 O.D. x .063 x 6.00 O.A.L.	
47286 500 O.D. x .063 x 6.00 O.A.L.	47287 500 O.D. x .072 x 4.00 O.A.L.	47288 580 O.D. x .072 x 6.00 O.A.L.	
47289 625 O.D. x .062 x 5.38 O.A.L.	47291 625 O.D. x .080 x 5.88 O.A.L.	47292 750 O.D. x 1.05 x 1.94 O.A.L.	
47293 840 O.D. x .108 x 4.00 O.A.L.			

60 Pcs.

EXTENSION SPRING ASSORTMENT			85252
47251 438 O.D. x .048 x 6.44 O.A.L.	47261 344 O.D. x .047 x 1.44 O.A.L.	47262 2340 O.D. x .021 x 1.13 O.A.L.	
47252 328 O.D. x .035 x 6.5 O.A.L.	47253 547 O.D. x .081 x 5.63 O.A.L.	47254 406 O.D. x .0312 x 11.5 O.A.L.	
47255 375 O.D. x .041 x 3.25 O.A.L.	47256 250 O.D. x .031 x 4.00 O.A.L.	47257 484 O.D. x .081 x 4.50 O.A.L.	
47259 75 O.D. x .081 x 2.66 O.A.L.	47254 250 O.D. x .031 x 5.75 O.A.L.	47258 719 O.D. x 1.05 x 4.00 O.A.L.	
47290 750 O.D. x .0937 x 8.5 O.A.L.	47280 375 O.D. x .0312 x 1.812 O.A.L.		

48 Pcs.

## WOODRUFF KEYS

- Carbon steel SAE 1035 graphite coated
- Milled by special coated process to assure perfect, smooth shape with burr-free edges
- Greater resistance to shaft fracture due to key seat and permanent key fit
- Meets SAE J502 mechanical & dimensional properties
- Easy removal by tapping on one end until the displacement allows them to be lifted from the seat

WOODRUFF KEY ASSORTMENT						85383
43086 3/16 x 5/8 WOODRUFF KEY	43092 3/16 x 1 1/8 WOODRUFF KEY	43065 1/4 x 3/4 WOODRUFF KEY	43069 1/4 x 1 1/4 WOODRUFF KEY	43073 5/16 x 1 1/8 WOODRUFF KEY	43096 3/8 x 1" WOODRUFF KEY	
43061 3/16 x 3/4 WOODRUFF KEY	43064 3/16 x 1 1/4 WOODRUFF KEY	43066 1/4 x 7/8 WOODRUFF KEY	43070 1/4 x 1 3/8 WOODRUFF KEY	43074 5/16 x 1 1/4 WOODRUFF KEY	43077 3/8 x 1 1/4 WOODRUFF KEY	
43062 3/16 x 7/8 WOODRUFF KEY	43093 7/32 x 7/8 WOODRUFF KEY	43067 1/4 x 1" WOODRUFF KEY	43071 1/4 x 1 1/2 WOODRUFF KEY	43075 5/16 x 1 3/8 WOODRUFF KEY	43079 3/8 x 1 1/2 WOODRUFF KEY	
43063 3/16 x 1" WOODRUFF KEY	43094 7/32 x 1" WOODRUFF KEY	43068 1/4 x 1 1/8 WOODRUFF KEY	43072 5/16 x 1" WOODRUFF KEY	43076 5/16 x 1 1/2 WOODRUFF KEY		

230 Pcs.



WOODRUFF KEY ASSORTMENT						85385
43048 1/16 x 1/4 WOODRUFF KEY	43051 1/16 x 3/8 WOODRUFF KEY	43050 1/16 x 1/2 WOODRUFF KEY	43090 3/32 x 5/16 WOODRUFF KEY	43052 3/32 x 3/8 WOODRUFF KEY	43053 3/32 x 1/2 WOODRUFF KEY	
43054 3/32 x 5/8 WOODRUFF KEY	43056 1/8 x 1/2 WOODRUFF KEY	43057 1/8 x 5/8 WOODRUFF KEY	43058 1/8 x 3/4 WOODRUFF KEY	43056 5/32 x 5/8 WOODRUFF KEY	43059 5/32 x 3/4 WOODRUFF KEY	
43060 5/32 x 7/8 WOODRUFF KEY	43061 3/16 x 3/4 WOODRUFF KEY	43062 3/16 x 7/8 WOODRUFF KEY	43063 3/16 x 1" WOODRUFF KEY	43064 3/16 x 1 1/4 WOODRUFF KEY	43065 1/4 x 3/4 WOODRUFF KEY	
43066 1/4 x 7/8 WOODRUFF KEY	43067 1/4 x 1" WOODRUFF KEY	43068 1/4 x 1 1/8 WOODRUFF KEY	43069 1/4 x 1 1/4 WOODRUFF KEY	43070 1/4 x 1 3/8 WOODRUFF KEY	43071 1/4 x 1 1/2 WOODRUFF KEY	

240 Pcs.



# WINTER QUARTERLY SPECIALS

## CLEARANCE

### LATEX – FLOCK LINED

- 100% Premium natural rubber latex, embossed grip
- Double chlorinated for additional chemical resistance
- Resists mild acids, salts, caustics, animal fats, alcohol, detergents, hot water and more
- 12" length, .022 gauge thickness

**\$21.95**



Part No.	Size	Pkg. Qty.
95110	Large	12 Pair
95111	X-Large	12 Pair

### WATER OPS™

- For use in wet environments
- Ultragrip palm and fingers
- Hook and loop closure, snug fitting
- Hidden seam fingertip stitching
- 3-ply padded spandex stretch top

**\$24.95**



Part No.	Size	Pkg. Qty.
6673	Large	1 Pair
6674	X-Large	1 Pair
95116	XX-Large	1 Pair

### INSULATED WORK GLOVES

#### RAPPEL GLOVES

A form-fitting glove, incorporating all of the design improvements from years of manufacturing experience. Triple leather palm, reverse grain cowhide palm over a double goatskin under layer, for maximum protection when rappelling or handling ropes.



**\$14.95**

Part No.	Size	Pkg. Qty.
95112	Large	1 Pair

### TERRY CLOTH

- Treated with flame retardant
- Fully lined with 5" lined cuff, reversible
- Tightly knit yarn provides good cut, abrasion and heat resistance

#### Uses

Gears    Sheet Metal    Foundries  
Molding    Bearings    Welding



**\$12.95**

Part No.	Size	Pkg. Qty.
95117	Large	1 Pair

### HIGH VISIBILITY – FINGERLESS

- Recovery™ 4-way stretch fabric keeps shape
- Breathable Dimension 3™ directional stretch mesh back
- Patented KwikPull™ finger tabs for easy on and off
- Duraflex™ Perimeter Patching System™
- Xtrastretch™ terry thumb for comfort
- Double shirred wrist for snug fit

**\$8.95**



Part No.	Size / Description
95113	Medium / Hi-Vis Fiberglass
95114	Large / Hi-Vis Fiberglass
95115	X-Large / Hi-Vis Fiberglass

### ECONOLITE III

- Adjustable click-to-fit temples for snug fit
- Seamless integrated sideshields for unobstructed vision
- Meets ANSI, CE and CSA standards



95119



95118



6007



95120

Part No.	Frame Color	Lens
6007	Red, White, Blue	Amber
95118	Black	Amber
95119	Red, White, Blue	Gray
95120	Red, White, Green	Gray

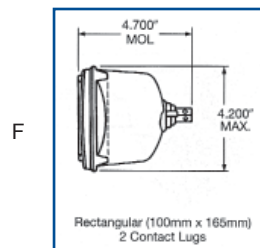
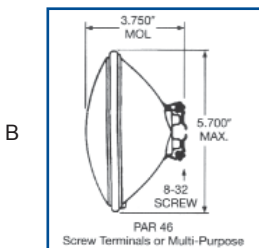
### SEALED BEAMS

- One-piece, sealed-for-life construction shuts out dirt and moisture

### INCANDESCENT - 12 VOLT

Part No.	Lamp No.	Type	Primary Application	Watts	Rated Hours	Picture
95121	4419	Par 46	Tractor-Trapezoid	100W	300	B
95122	4651	100 x 165	Auto, Truck - Rectangular High	50W	200	F

\*Indicates Dual Filament





## CLEARANCE (CONTINUED)

### COMPACT DIGITAL MULTIMETER

- 600 volt AC/DC
- Large 2000 count display
- 6 functions / 14 ranges
- Special ranges to test batteries
- Industry standard test leads, safety rated
- Includes: protective holster, industrial test leads, battery and user's manual
- CAT II 600 V rated



**\$37.95**

Part No.	Sizes
95123	Compact Digital Multimeter

### PRO-SWIVEL™ OIL FILTER WRENCH

- 180 degree swivel action
- Cushion grip dual material handle provides greater comfort and better gripping force
- Stainless and plated steel material band for lifetime corrosion resistance
- Dimpled for extra gripping power
- Specially designed to fit today's oil filters



**\$24.95**

Part No.	Sizes
95106	Small: 64-76mm
95107	Medium: 73-83mm

### INSULATED SUEDE COWHIDE LEATHER GLOVE

- Heavy-duty, split cowhide glove
- Full leather with fully wrapped lining featuring 3M's Type G, 100 Gram Thinsulate™ insulation
- Keystone thumb for superior fit and flexibility

**\$12.95**



Part No.	Size
95108	Large

### 10" INDUSTRIAL SHEAR, BENT HANDLE

- Commonly used in cutting fabrics, upholstery and composite materials
- Precision ground blades for sharper cutting edges and longer blade life
- Handle rings designed to comfortably fit users hands
- SET-EASY pivot adjustment easily and securely adjusts to user's preference
- Hot dropped forged nickel plated blades

**\$39.95**



Part No.	Size
95124	10"

### SPIRAL WRAP WIRE LOOM

- Forward cut spiral wrap
- Natural Polyethylene .750" OD, 100 feet per roll
- Perfect for protection of bundles from .063 to 7 inch diameters
- Install with gaps for greater flexibility or butted together for maximum abrasion resistance, insulation and rigidity

**\$89.95**



Part No.	Size	Length
95126	3/4"	100 Feet

### VACUUM, PUMP BRAKE BLEED KIT

- Allows one person to bleed brake fluid easily and cleanly
- Vacuum pump alone can test vacuum operated sensors and components
- Specially designed adaptors to fit all brakes
- Air sealing lubricant is included to prevent bubbles in brake fluid
- Vacuum pump has durable, solid brass cylinder, cylinder head and piston
- Use to check: distributor advance, PCV valve, EGR valve, heater and A/C baffles, headlight cover doors, vacuum switches, valves and diagrams and transmission modulators

**\$47.95**



Part No.	Size
95103	Vacuum Pump Brake Bleed Kit

## RAINWEAR

### OXFORD - FLEECE LINED REVERSIBLE - CLASS 3

- Polyester Oxford with polyurethane coating
- 2 zipper chest pockets, 2 inside pockets
- Fleece polyester inner lining
- 2 side slash pockets, inside and out
- Heavy duty zipper front closure
- Rib knit waist band and cuffs



Part No.	Size
6690	Medium
6691	Large
6692	X-Large
6693	2X-Large
6694	3X-Large

### MOUNTAIN PASS - COLD WEATHER INSULATED CLASS 3

- 100% waterproof, heavy duty 300D polyester canvas outer fabric
- "Precision Fit™" increases comfort and range of motion
- Lined hand warmer pockets, adjustable hood
- 32" 3-in-1 parka has 260 gram heavyweight zip-out removable fleece liner
- Hook & Loop wrist adjusters, chest pocket



Part No.	Description	Size
6711	29" Jacket w/Hood	Large
6712		X-Large
6713		2X-Large

### BOMBER JACKET - DETACHABLE SLEEVES & HOOD FLEECE LINED - CLASS 3

- Polyester oxford with polyurethane coating
- Detachable hood with drawstrings and stoppers
- Heavy duty zipper front closure, reversible
- Cargo pockets with handwarmer pocket behind
- Fleece side has 2 slash pockets
- 2 chest pockets with clear I.D. pocket
- Rib knit waistband and cuffs



Part No.	Size
6685	Large
6686	X-Large
6687	2X-Large
6688	3X-Large

### PANTS - CLASS E

- Polyester Oxford with polyurethane coating
- Pass through slits for front pocket access
- Elastic with draw cord / cord lock on waist
- Adjustable zippers on ankles for safety and comfort
- Meets class 3 when used with ANSI class 3 jacket or vest



Part No.	Size	Color
6695	Medium/Large	Orange
6696	X-Large/2X-Large	
6697	Medium/Large	Navy/ Lime
6698	X-Large/2X-Large	
6699	Medium/Large	Lime
6700	X-Large/2X-Large	

### CLASS 3 RAIN JACKET

- Water repellent nylon polyester with 2" silver 3M™ Scotchlite™ reflective material
- Zip out liner with 3M™ Thinsulate™ insulation for *Warmth Without Bulk*
- 4 pockets: 2 upper chest pockets and 2 lower zipper/hand warmer pockets
- Hood folds up into the collar when not in use
- Cuffed liner velcro outer strap
- Rust and corrosion resistant, heavy duty YKK-zipper front closure
- Tough, break resistant, nylon coated threads and all exposed edges are reinforced to prevent fraying
- 3rd party tested and verified
- Reinforced mesh zippered back air vent to help keep cool in warmer weather
- Raglan sleeve design allows maximum movement and comfort
- Longer, 3/4 length DOT design
- *Seam Seal Water Protection* technology to keep water from entering through the seams
- Made in the USA

**NEW!**



Part No.	Size
2750	Large
2751	X-Large
2752	2X-Large

#### FR (NFPA 701) RATED

Part No.	Size
2755	Large
2756	X-Large
2757	2X-Large

### COLD WEATHER INSULATED CLASS 3

- 100% waterproof, heavy duty 300D polyester canvas outer fabric
- "Precision Fit™" increases comfort and range of motion
- Lined hand warmer pockets, adjustable hood
- 32" 3-in-1 parka has 260 gram heavyweight zip-out removable fleece liner
- Hook & Loop wrist adjusters, chest pocket
- Polyester Oxford with polyurethane coating
- Pass through slits for front pocket access
- Elastic with draw cord / cord lock on waist
- Adjustable zippers on ankles for safety and comfort
- Meets class 3 when used with ANSI class 3 jacket or vest



#### REMOVABLE LINER

Part No.	Description	Size
6715	32" Jacket w/Hood	Large
6716		X-Large
6717		2X-Large
6718		3X-Large

**NEW!**



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Main Office: Houston, TX  
Branch Office: Reno, NV  
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